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THEORETICAL INVESTIGATIONS OF THE PROPERTIES OF OBLIQUE DETONATION WAVES

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by

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Submitted in partial fulfillment of
the requirements for the degree of

MASTER OF SCIENCE
IN
AERONAUTICAL ENGINEERING

United States Naval Postgraduate School
Monterey, California

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ABSTRACT

One method of solving the problem of burning or combustion at supersonic speed is by combusting in a stationary detonation wave. Stabilization of a detonation wave has been recently accomplished and is reproducible, but only in laboratory type apparatus.

Using two-dimensional steady flow, perfect gas theory, this paper provides solutions for the changes in properties that may be expected across any oblique detonation wave. Equations are established and solved using the Control Data Corporation 1604 digital computer of the U. S. Naval Postgraduate School, Monterey, California, for different values of specific heat ratio, initial Mach number, a function of the flow deflection angle, and the amount of heat added in the detonation. The results appear in tabular form and for several specific values of Mach number and heat addition in graphical form. An example of use of the data is shown with reference to a ramjet engine operating with a stationary detonation wave for the combustion process.

The author wishes to express his sincere appreciation to Professor Michael H. Vavra for his encouragement, supervision, and patience during the period of this work.

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TABLE OF SYMBOLS

Symbol	
a	Acoustic velocity
a^*	Critical acoustic velocity
M	Mach number
M_1^*	Velocity ratio, V_1/a_1^*
M_2^*	Velocity ratio, V_2/a_2^*
M_{2u}^*	Velocity ratio, u/a_2^*
M_{2v}^*	Velocity Ratio, v/a_2^*
p	Static pressure
P_T	Total pressure
PR21	Pressure ratio, p_2/p_1
PTR21	Total pressure ratio, P_{T2}/P_{T1}
R	Universal gas constant
T	Static temperature (° Rankine)
T_T	Total temperature (° Rankine)
TR21	Temperature ratio, T_2/T_1
u	Horizontal velocity component of V_2
v	Vertical Velocity component of V_2
V	Velocity
x	M_{2u}^*
y	M_{2v}^*
δ	Heat addition parameter, $(T_{T2}/T_{T1})^{1/2}$
γ	Specific heat ratio
ρ	Density
σ	Detonation (or shock) wave angle
θ	Flow deflection angle

TABLE OF SYMBOLS

Subscripts

1	Before Detonation Wave
2	After Detonation Wave
max	Maximum
min	Minimum
n	Normal
t	Tangential
T	Total (stagnation)
u	In u direction
v	In v direction

CHAPTER I

INTRODUCTION

A detonation wave is a phenomenon which may occur as a result of a combustion process. The difference between a detonation wave and an ordinary deflagration wave or burning is that a detonation wave travels at supersonic velocity whereas a deflagration wave travels at subsonic velocity. Much has been written about detonation waves.[1, 2, 3, 4] Recently stationary normal detonation waves have been produced and maintained in a special supersonic wind tunnel[5].

This thesis evaluates the downstream properties of a plane oblique stationary detonation wave as a function of the initial Mach number, flow deflection angle, and the amount of heat added in the detonation wave. The heat added is represented by a parameter δ, the ratio of the total (stagnation) temperature after the detonation wave, to the total temperature prior to detonation. In addition, properties after the detonation wave are calculated for three values of the specific heat ratio γ, namely 1.2, 1.3, and 1.4.

Due to the complexities of establishing equations for actual flows for which solutions can be found, several basic assumptions have been made in the calculations. It is assumed that:

1) The flow is uniform and steady.

2) The gas to be burned is an ideal gas, i.e., the equation of state

$$pv = RT$$

defines the state of the fluid at any time.

3) The friction between the fluid and the wall is considered negligible, or a non-viscous fluid is assumed.

4) The entire process is considered to take place in an isolated system. The process is assumed to be adiabatic except for the addition of heat in the detonation.

5) Transport properties such as internal heat transfer by radiation and conduction are neglected.

6) The composition of the fluid and the specific heats are unchanged through the detonation wave, i.e., γ and the universal gas constant, R , remain constant.

Assumption 6) places the most severe restrictions on the applications of the results, but without these simplifications, the equations would become considerably more complicated if at all solvable.

If it proves possible to stabilize detonation waves in a practical manner, several possibilities for their use are imaginable; 1) use of the detonation as a combustion system for a ramjet, and 2) use of the detonation to provide underwing heating as a lift augmentation device or even as a means of primary propulsion.

There are several advantages of detonation wave combustion over conventional combustion in a ramjet. At the present state of the art, velocities of fuel-air mixtures entering a combustion chamber must be subsonic in order to achieve stable burning. This dictates deceleration of the incoming supersonic flow through a diffuser to subsonic speed. In the combustion chamber a flameholder is necessary to insure continuous combustion.

A ramjet operating with a standing detonation wave where the combustion takes place could be smaller and of simpler design. An inlet duct would be necessary to inject and mix fuel into the flow. The supersonic stream could be detonated in a normal detonation wave by spontaneous combustion if temperatures are high enough, or by an electric spark. The velocity after the detonation would be subsonic and would then be accelerated by passing through a converging diverging nozzle. A simplified schematic of such an engine is shown in Fig. 1.

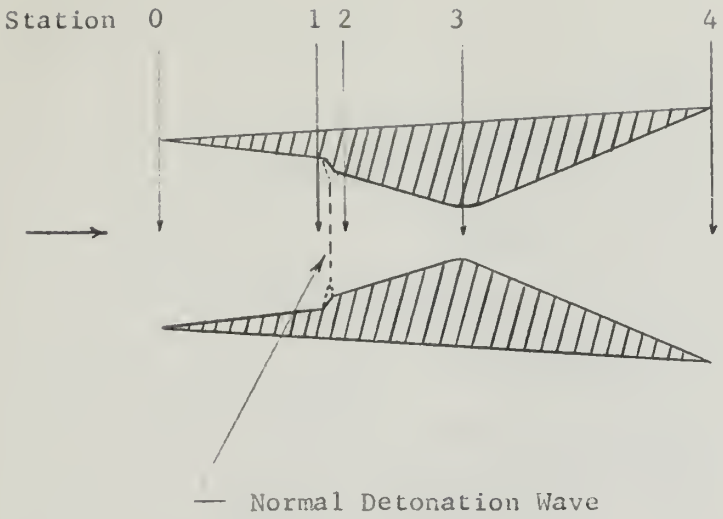


Fig. 1 Schematic of a Detonation Wave Ramjet Engine

The formation of the normal detonation wave between stations 1 and 2 near the wedge at the walls is postulated since such a near normal detonation wave has been stabilized, observed and reproduced[5].

Fig. 2 shows an example of a ramjet engine using an oblique detonation wave for a combustion process. In this engine fuel is mixed with a supersonic incoming stream. An oblique detonation wave is formed at a conically pointed body. After the detonation wave the flow is of sonic velocity or greater and is then expanded to higher velocity.

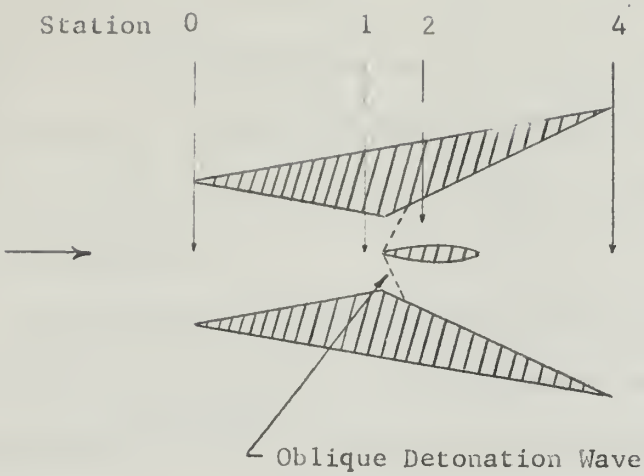


Fig. 2 Schematic of a Detonation Wave Ramjet

Fig. 3 is a concept of Sargent and Gross[6]. In Fig. 3 a free stream of Mach 6 is decelerated to Mach 4.0 and is detonated such that the products of detonation have sonic velocity. This flow is then accelerated in a nozzle.

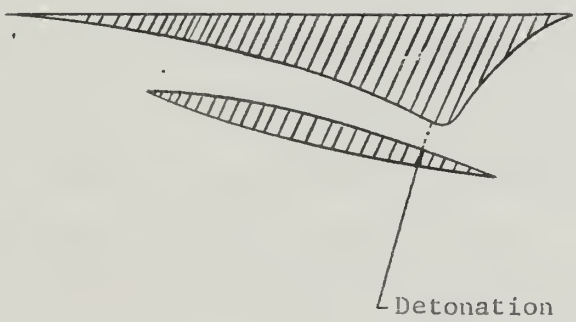


Fig. 3 Schematic of a Detonation Wave Ramjet Engine

It has been theorized[6,7] that the conventional subsonic burning ramjet engine will have a greater efficiency up to Mach numbers of 7 to 8. Above Mach 8 the efficiency of the supersonic combustion ramjet will be greater.

Experiments in supersonic combustion have been conducted with successful results without using detonation.[8,9,10,11] Aluminum borohydride was burned under the surface of a wing and a flat plate in a wind tunnel in the Mach 2.4 to 3.0 range. It was found that underwing heating increased the static pressure in the heated area. This pressure increase resulted in an increased lift and lift-drag ratio. The added lift could be used to increase the rate of climb, decrease the wing area needed, or if intermittent burning is considered, as a means of controlling or increasing the maneuverability of a missile or ramjet at high altitude. With a specially designed airfoil underwing heating provides a method of propulsion[10] as shown in Fig. 4. The similarity with Fig. 3 may be noted.

A detonation wave may be a possible method of adding the heat necessary for underwing heating.

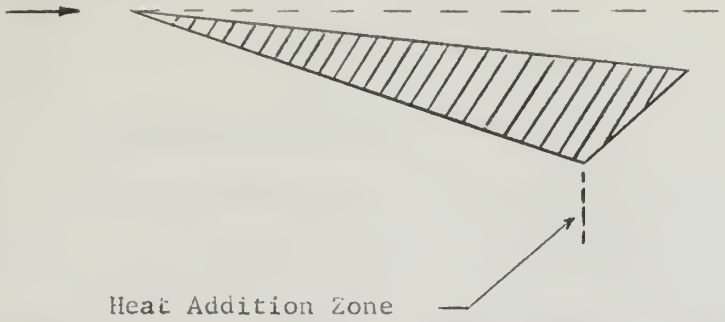


Fig. 4 Schematic of Supersonic Burning Under a Wing

CHAPTER II

ANALYSIS OF PROBLEM

1. Classical Shock Polar.

The solution to the problem of finding the properties of an oblique detonation wave is made along lines similar to those used for establishing the classical shock polar. The shock polar isused for determining properties after an oblique shock wave if no heat is added to the system. Fig. 5 depicts a wedge of flow deflection angle θ in a supersonic stream of velocity V_1 . An oblique shock wave forms at an angle σ, at

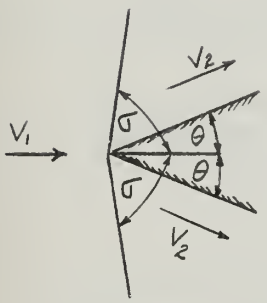


Fig. 5 A Wedge in a Supersonic Flow

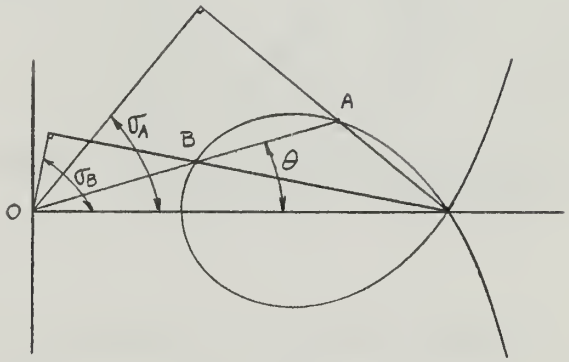


Fig. 6 Shock Polar Diagram

the apex of the wedge. Behind the shock wave the velocity V_2 , is shown at an angle θ. For a given V_1 Fig. 6 represents a typical shock polar diagram for a flow such as that of Fig. 5. For a flow deflection angle θ , OA and OB represent the two possible values of V_2 . The ordinate and abscissa represent

the vertical and horizontal components of V_2, and σ_A and σ_B the possible shock wave angles. Fig. 5 and Fig. 6 are both symmetrical about the horizontal axis.

2. Detonation Polar.

If the shock in Fig. 5 is not considered to occur at constant total temperature or if the shock may be considered a detonation, the velocities of the fluid may be shown as in Fig. 7 and Fig. 8. Fig. 7 shows

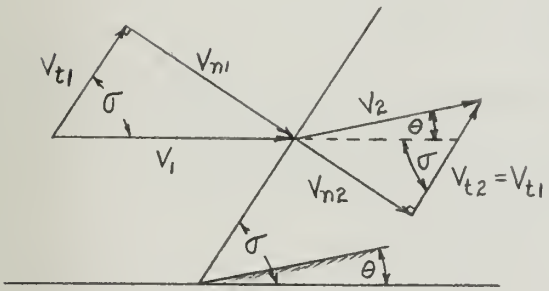


Fig. 7 Velocities across a Detonation Wave

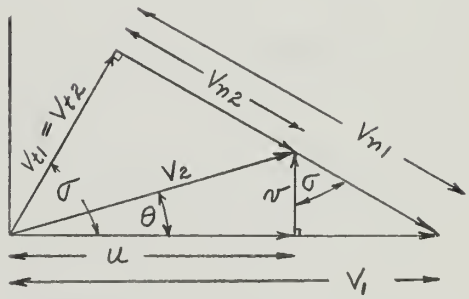


Fig. 8 Velocities across a Detonation Wave Superimposed

the velocities and their components as they would appear relative to the detonation wave and Fig. 8 shows them superimposed. Due to the symmetry about the horizontal axis only half the flow is shown. For such a detonation wave the law of conservation of mass can be applied normal to the detonation wave if it is assumed that the entire combustion takes place in the detonation wave and that the detonation wave is infinitesimally thin. Thus

$$\rho_1 V_{n1} = \rho_2 V_{n2} \tag{1}$$

Application of the conservation of momentum parallel to the detonation wave shows that the tangential components of the velocities, that is, the components parallel to the detonation wave, must be the same on both sides of the wave or

$$V_{t1} = V_{t2}$$

Likewise the conservation of momentum applied normal to the detonation wave can be written

$$p_1 + \rho_1 V_{n1}^2 = p_2 + \rho_2 V_{n2}^2 \tag{2}$$

Dividing Eq. 2 by Eq. 1 and rearranging

$$\frac{p_2}{\rho_2 V_{n2}} - \frac{p_1}{\rho_1 V_{n1}} = V_{n1} - V_{n2} \tag{3}$$

From $$a^2 = \gamma R T$$

and the equation of state

$$\frac{p}{\rho} = RT = \frac{a^2}{\gamma} \tag{4}$$

substitution into Eq. 3, for the appropriate subscripted values of $\frac{p}{\rho}$ and multiplying through by V_{n1}, gives

$$\frac{a_2^2 V_{n1}}{\gamma V_{n2}} - \frac{a_1^2}{\gamma} = V_{n1}(V_{n1} - V_{n2}) \tag{5}$$

From Fig. 8

$$\sin\sigma = \frac{V_{n1}}{V_1} = \frac{V_1 - u}{V_{n1} - V_{n2}}$$

and

$$V_{n1}(V_{n1} - V_{n2}) = V_1(V_1 - u) \tag{6}$$

or

$$\frac{V_{n2}}{V_{n1}} = 1 - \frac{V_1(V_1 - u)}{V_{n1}^2} \tag{7}$$

From Fig. 8

$$\tan\sigma = \frac{V_1 - u}{v} = \frac{V_{n1}}{V_t} = \frac{V_{n1}}{\sqrt{V_1^2 - V_{n1}^2}}$$

and

$$V_{n1}^2 v^2 = (V_1 - u)^2 (V_1^2 - V_{n1}^2)$$

or

$$V_{n1}^2 v^2 = V_1^2 (V_1 - u)^2 - V_{n1}^2 (V_1 - u)^2$$

and

$$\frac{1}{V_{n1}^2} = \frac{v^2 + (V_1 - u)^2}{V_1^2 (V_1 - u)^2} \tag{8}$$

Substituting Eq. 8 into the right side of Eq. 7

$$\frac{V_{n2}}{V_{n1}} = \frac{u(V_1 - u) - v^2}{V_1(V_1 - u)}$$

or

$$\frac{V_{n1}}{V_{n2}} = \frac{V_1(V_1-u)}{u(V_1-u)-v^2} \tag{9}$$

Substituting Eq. (9) and Eq. (6) into Eq. (5)

$$a_2^2\left[\frac{V_1(V_1-u)}{u(V_1-u)-v^2}\right] - a_1^2 = V_1(V_1-u)\gamma \tag{10}$$

In order to correlate the quantity of heat added in the detonation wave to the velocities and acoustic velocities before and after the detonation wave, a transformation to a new reference system is desirable. Considering the flow before the detonation wave as having originated in a reservoir, then for a given reservoir condition the relation between the acoustic velocity a_o, of the fluid in the reservoir and the critical acoustic velocity a^* for an isentropic process is

$$a^{*2} = \frac{2}{\gamma+1} a_o^2$$

The relation between reservoir conditions and conditions at any point in an isentropic flow is

$$\frac{a^2}{\gamma-1} + \frac{V^2}{2} = \frac{a_o^2}{\gamma-1}$$

where a and V refer to any point in the flow. Elimination of a_o from these equations results in

a relation between a, a^*, and V, namely

$$a^2 = \left(\frac{\gamma+1}{2}\right) a^{*2} - \left(\frac{\gamma-1}{2}\right) V^2 \tag{11}$$

Using Eq. 11 with proper subscripts, a_1 and a_2 can be eliminated from Eq. 10 and

$$\left[\left(\frac{\gamma+1}{2}\right)a_2^{*2} - \left(\frac{\gamma-1}{2}\right)V_2^2\right]\left[\frac{V_1(V_1-u)}{u(V_1-u)-v^2}\right] - \left[\left(\frac{\gamma+1}{2}\right)a_1^{*2} - \left(\frac{\gamma-1}{2}\right)V_1^2\right]$$

$$= V_1(V_1-u)\gamma \tag{12}$$

with

$$V_2^2 = u^2 + v^2 \tag{13}$$

The quantity V_2 may be eliminated from Eq. 12. Substituting Eq. 12 into Eq. 13 and expanding yields

$$\left[(\gamma+1)a_2^{*2} - (\gamma-1)(u^2+v^2)\right]\left[V_1(V_1-u)\right]$$
$$- \left[(\gamma+1)a_1^{*2} - (\gamma-1)V_1^2\right]\left[u(V_1-u) - v^2\right]$$
$$= 2V_1\gamma(V_1-u)\left[u(V_1-u)-v^2\right]$$

or

$$\left[(\gamma+1)a_2^{*2}V_1(V_1-u)\right] - \left[(\gamma-1)u^2V_1(V_1-u)\right]$$
$$- \left[(\gamma-1)v^2V_1(V_1-u)\right] - \left[(\gamma+1)a_1^{*2}u(V_1-u)\right]$$
$$+ \left[(\gamma+1)a_1^{*2}v^2\right] + \left[(\gamma-1)V_1^2u(V_1-u)\right] - \left[(\gamma-1)V_1^2v^2\right]$$
$$- \left[2\gamma V_1u(V_1-u)^2\right] + \left[2\gamma V_1(V_1-u)v^2\right] = 0$$

Solving for v^2

$$v^2 = \frac{(V_1-u)\left[(\gamma+1)a_2^{*2}V_1-(\gamma-1)u^2V_1-(\gamma+1)a_1^{*2}u+(\gamma-1)V_1^2u-2\gamma V_1u(V_1-u)\right]}{(\gamma-1)V_1(V_1-u)-(\gamma+1)a_1^{*2}+(\gamma-1)V_1^2-2\gamma V_1(V_1-u)}$$

$$v^2 = \frac{(V_1-u)\left[(\gamma+1)\left\{a_2^{*2}V_1-a_1^{*2}u-V_1u(V_1-u)\right\}\right]}{-(\gamma+1)a_1^{*2}-2V_1^2+uV_1(\gamma+1)}$$

$$v^2 = \frac{(V_1-u)^2\left[u-\frac{(a_2^{*2}V_1-a_1^{*2}u)}{V_1(V_1-u)}\right]}{\frac{a_1^{*2}}{V_1}+\left(\frac{2}{\gamma+1}\right)V_1-u} \qquad (14)$$

It is customary and useful to express supersonic velocities by non-dimensional velocity ratios. These velocity ratios can be used to eliminate a_1^* and a_2^* as working parameters and simultaneously introduce the heat addition parameter δ. To accomplish this let, by definition

$$M_{2v}^* \equiv \frac{v}{a_2^*} \qquad (15)$$

$$M_{2u}^* \equiv \frac{u}{a_2^*} \qquad (16)$$

$$M_1^* \equiv \frac{V_1}{a_1^*} \qquad (17)$$

$$\delta^2 \equiv \frac{T_{T2}}{T_{T1}} \tag{18}$$

where the designation M^* means a velocity ratio based on a critical acoustic velocity of a fluid in a reservoir. The parameter δ is a measure of the heat added by combustion during the detonation. Assuming that the specific heats remain unchanged by the combustion, δ is also proportional to the ratio of total enthalpies after and before the detonation wave.

With

$$a_1^{*2} = \left(\frac{2}{\gamma+1}\right) a_o^2 = \left(\frac{2}{\gamma+1}\right) \gamma R T_{T1}$$

and

$$a_2^{*2} = \left(\frac{2}{\gamma+1}\right) \gamma R T_{T2}$$

there is

$$\frac{a_2^{*2}}{a_1^{*2}} = \frac{T_{T2}}{T_{T1}} \equiv \delta^2 \tag{19}$$

Substitution of Eq. 15, Eq. 16, Eq. 17, and Eq. 19 into Eq. 14 yields the following series of equations

$$\frac{N^2 a_2^{*2}}{a_2^{*2}} = \frac{\left(\frac{V_1 a_1^*}{a_1^*} - \frac{u a_2^*}{a_2^*}\right)^2 \left[u\frac{a_2^*}{a_2^*} - \frac{a_2^{*2} V_1 \frac{a_1^*}{a_1^*} - a_1^{*2} u \frac{a_2^*}{a_2^*}}{V_1 \frac{a_1^*}{a_1^*}\left(V_1 \frac{a_1^*}{a_1^*} - u \frac{a_2^*}{a_2^*}\right)}\right]}{\frac{a_1^{*2}}{V_1} + \left(\frac{2}{\gamma+1}\right) V_1 \frac{a_1^*}{a_1^*} - u \frac{a_2^*}{a_2^*}} .$$

or

$$M_{2v}^{*2} a_2^{*2} = \frac{(M_1^* a_1^* - M_{2u}^* a_2^*)^2 \left[M_{2u}^* a_2^* - \frac{(M_1^* a_2^* a_1^{*2} - M_{2u}^* a_1^{*2} a_2^*)}{M_1^* a_1^* (M_1^* a_1^* - M_{2u}^* a_2^*)} \right]}{\frac{a_1^*}{M_1^*} + \left(\frac{2}{\gamma+1}\right) M_1^* a_1^* - M_{2u}^* a_2^*}$$

$$M_{2v}^{*2} = \frac{\left(\frac{M_1^*}{\delta} - M_{2u}^*\right)^2 \left[M_{2u}^* \delta - \frac{\delta^2 M_1^* - \delta M_{2u}^*}{M_1^* (M_1^* - \delta M_{2u}^*)} \right]}{\frac{1}{M_1^*} + \left(\frac{2}{\gamma+1}\right) M_1^* - \delta M_{2u}^*}$$

$$M_{2v}^{*2} = \frac{(M_1^* - \delta M_{2u}^*)^2 \left[M_{2u}^* - \frac{(\delta M_1^* - M_{2u}^*)}{M_1^* (M_1^* - \delta M_{2u}^*)} \right]}{\delta \left[\frac{1}{M_1^*} + \left(\frac{2}{\gamma+1}\right) M_1^* - M_{2u}^* \delta \right]}$$

$$M_{2v}^{*2} = \frac{(M_1^* - \delta M_{2u}^*) \left[M_{2u}^* (M_1^* - \delta M_{2u}^*) - \frac{(\delta M_1^* - M_{2u}^*)}{M_1^*} \right]}{\delta \left[\frac{1}{M_1^*} + \left(\frac{2}{\gamma+1}\right) M_1^* - \delta M_{2u}^* \right]} \qquad (20)$$

This equation is the basic relation between the properties ahead of and after the oblique detonation wave. Introducing

$$x \equiv M_{2u}^*$$

$$y \equiv M_{2v}^*$$

substitution yields

$$y^2 = \frac{(M_1^* - \delta x) \left[x (M_1^* - \delta x) - \frac{(\delta M_1^* - x)}{M_1^*} \right]}{\delta \left[\frac{1}{M_1^*} + \left(\frac{2}{\gamma+1}\right) M_1^* - \delta x \right]} \qquad (20a)$$

In equation Eq. 20a y is given as a function of δ, M_1^*, γ, and x. When the heat addition parameter δ is unity,

i.e., if no heat is added, the equation reduces to that of the shock polar. When δ is greater than unity, however, the curve of the equation has two non-intersecting branches. One part is an ellipselike curve which shall henceforth be called the loop branch. The other part has a range of y values from plus infinity to minus infinity for finite values of x. This part shall be referred to as the infinite branch. Typical examples of the graph of Eq. 20a for a given γ and M_1^* are shown in Fig. 9 for values of δ of unity and greater than unity.

The velocity ratio M_1^* appears in Eq. 20a and also in later equations and calculations. A relation to transform M_1^* to M_1 and vice versa is useful and desirable. By definition

$$M_1^* \equiv \frac{V_1}{a_1^*} = M_1 \frac{a_1}{a_1^*} \tag{21}$$

and

$$M_1^{*2} \equiv M_1^2 \left(\frac{a_1}{a_1^*}\right)^2$$

From Eq. 11

$$a_1^2 = \left(\frac{\gamma+1}{2}\right) a_1^{*2} - \left(\frac{\gamma-1}{2}\right) V_1^2$$

$$1 = \left(\frac{\gamma+1}{2}\right)\left(\frac{a_1^*}{a_1}\right)^2 - \left(\frac{\gamma-1}{2}\right) M_1^2 \tag{22}$$

$$\left(\frac{a_1}{a_1^*}\right)^2 = \frac{\gamma+1}{2+(\gamma-1)M_1^2}$$

Therefore

$$M_1^{*2} = \frac{M_1^2(\gamma+1)}{2+(\gamma-1)M_1^2} \tag{23}$$

and

$$M_1^2 = \frac{2M_1^{*2}}{(\gamma+1)-(\gamma-1)M_1^{*2}} \tag{24}$$

Eq. 23 shows that as M_1 approaches an infinitely large value, M_1^* approaches a finite limit of

$$M_1^* = \sqrt{\frac{\gamma+1}{\gamma-1}}$$

In particular, for $\gamma = 1.4$

$$M_1^* = \sqrt{6} = 2.4495$$

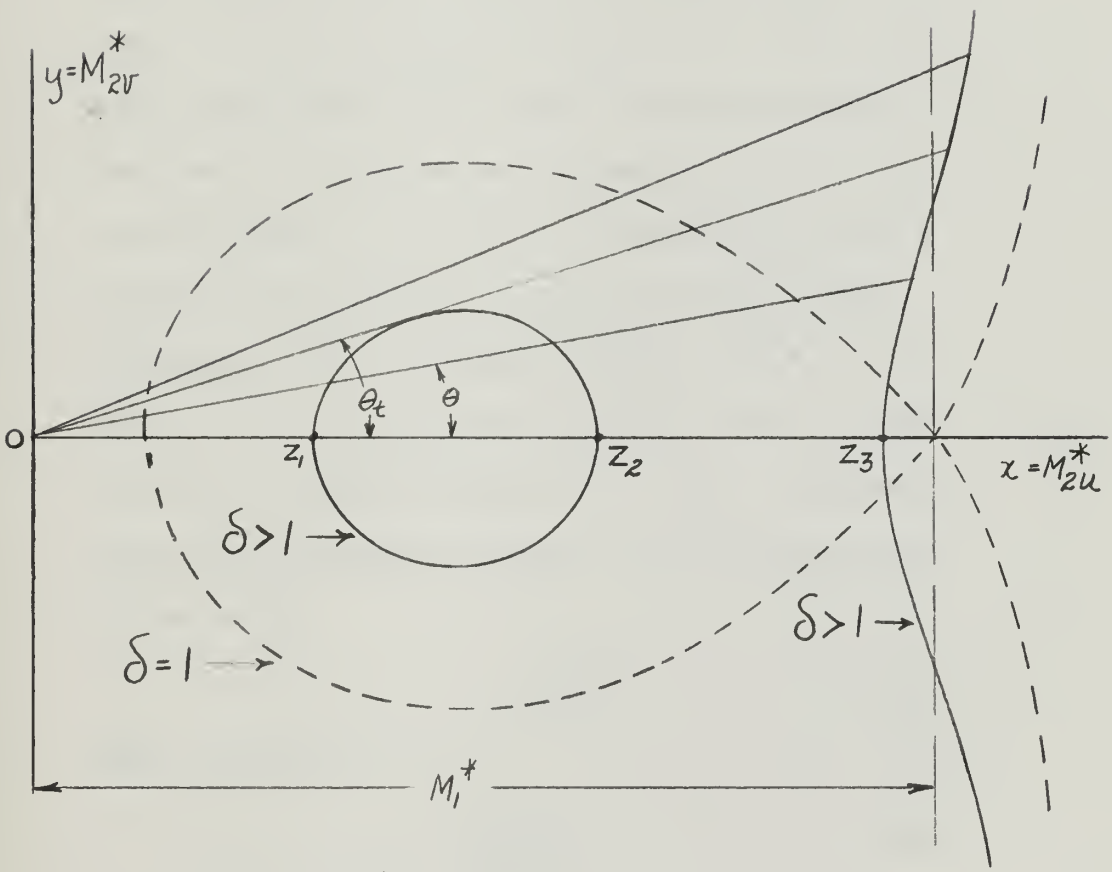


Fig. 9 Detonation Polar Diagram

Eq. 23 is shown in graphical form in Fig E-1 in Appendix E.

3. Discussion of Detonation Polar Equation.

The general form of Eq. 20a is that of a cubic

$$y^2 = f(x^3)$$

Such a curve may have three values of x at which y is zero or at which the curve crosses the x axis. For given values of M_1^*, δ, and γ these zero values are fixed. The minimum and maximum values of x on the loop branch, Z_1 and Z_2 respectively on Fig. 9, are found by setting the right hand bracket of the numerator to zero. For heat addition, $\delta > 1$, the values of x are always less than M_1^*. With no heat addition the maximum value of x is M_1^*. The general equation for finding the zeros of the loop branch may be reduced to

$$x = A \pm \sqrt{A^2 - 1} \qquad (25)$$

where A is defined by

$$A \equiv \frac{M_1^{*2} + 1}{2\delta M_1^*} \qquad (26)$$

From Eq. 25 and Eq. 26 it is seen that there exists a maximum value of δ or a maximum amount of heat which

can be added in the detonation wave for any given value of M_1^*. When A of Eq. 26 is equal to unity the loop branch degenerates to a single point. At values less than unity the solution becomes imaginary and the loop branch disappears completely. δ_{max}, the maximum value of δ, is found from Eq. 26 for A = 1 by

$$\delta_{max} = \frac{M_1^{*2} + 1}{2 M_1^*} \tag{27}$$

The third zero, Z_3 on Fig. 9, is found by equating the left hand bracket of the numerator to zero so that

$$x = \frac{M_1^*}{\delta} \tag{28}$$

This value of x is also less than M_1^* for $\delta > 1$. When $\delta = 1$, x reaches a maximum equal to M_1^* and the points Z_2 and Z_3 coalesce. Eq. 27 and Eq. 28 show that for values of $\delta > \delta_{max}$, the infinite branch exists although the loop branch has disappeared.

A fourth value of interest is the value of x at which y becomes infinite, i.e., the value of x which makes the denominator of Eq. 20a zero. This is

$$x = \left[\frac{1}{M_1^*} + \left(\frac{2}{\gamma+1}\right) M_1^*\right] \frac{1}{\delta} \tag{29}$$

Eq. 29 gives the maximum possible value of x for any given γ, M_1^*, and δ, and may be $\gtrless M_1^*$ depending upon the amount of heat added in the detonation wave.

In the shock polar of Fig. 6, OA represents the velocity V_2. θ represents the flow deflection angle. In the detonation polar a position line, a line drawn from the origin ($x = 0$, $y = 0$) to any point on the detonation polar, represents a function of V_2 and δ. θ remains the flow deflection angle. As can be seen in Fig. 9, there are three distinct cases and/or ranges of θ. In the first case θ varies from 0° to θ_t, the angle at which a position line is tangent to the loop branch. The second case is $\theta = \theta_t$, and in the third case $\theta > \theta_t$. All three conditions exist in the shock polar also. A position line intersects the infinite branch once, twice, or not at all. In the shock polar the intersection with the infinite branch can be eliminated as a possible solution since this part of the curve corresponds to values of V_2 greater than V_1. Such an increase in velocity across a shock wave would be accompanied by a decrease in entropy, a violation of the second law of thermodynamics.

In the detonation polar the intersection of a position line with the infinite branch also produces solutions inconsistent with the second law of thermodynamics. By definition

$$x \equiv \frac{u}{a_2^*} \leq \frac{V_2}{a_2^*}$$

Across a detonation wave $V_1 > V_2$ so that

$$x \leq \frac{V_2}{a_2^*} < \frac{V_1}{a_2^*} \tag{30}$$

By tautology, Eq. 19, and Eq. 17,

$$\frac{V_1}{a_2^*} = \frac{V_1 \; a_2^*}{a_2^* \; a_1^* \delta} = \frac{M_1^*}{\delta}$$

Substitution in Eq. 30 gives

$$x < \frac{M_1^*}{\delta} \tag{31}$$

Eq. 28 shows that the minimum value of x on the infinite branch is $\frac{M_1^*}{\delta}$ or

$$x \geq \frac{M_1^*}{\delta} \tag{32}$$

Comparison of the inequalities of Eq. 31 and Eq. 32 show the infinite branch of the detonation polar to correspond to solutions where $V_2 > V_1$. Thus the infinite branch is of no practical value for determining properties after an oblique detonation wave.

A position line generally intersects the loop branch of the detonation polar at two points, corresponding to weak and strong detonation waves. Each point determines the possible properties of the flow after the detonation wave. The values corresponding to points on the detonation polar are the principal subject of this thesis and

will be treated subsequently.

When $\theta = \theta_t$, the position line is tangent to the loop branch, and only one possible condition may exist after the detonation wave. Values of $\theta > \theta_t$ correspond to a detached shock wave in the shock polar. Similarly for the detonation polar it may be theorized that a detached detonation wave would form for $\theta > \theta_t$ but this occurrence would have to be verified by experimental evidence.

For the range θ to θ_t, using Eq. 20a as a basis for the conditions across a detonation wave, the properties of state after the detonation wave can be established.

4. Temperature Ratios.

By definition the total temperature ratio is

$$\frac{T_{T2}}{T_{T1}} \equiv \delta^2$$

The total temperature is related to the static temperature by

$$T_T = T\left[1 + \left(\frac{\gamma-1}{2}\right)M^2\right] \tag{33}$$

For simplicity, let

$$D = 1 + \left(\frac{\gamma-1}{2}\right)M^2 \tag{34}$$

hence,

$$T_T = TD$$

The static temperature ratio is therefore

$$\frac{T_2}{T_1} = \frac{T_{T2}\,D_1}{T_{T1}\,D_2} = \delta^2\frac{D_1}{D_2} \tag{35}$$

5. Pressure Ratios.

With

$$\frac{p_2}{p_1} = \frac{\rho_2 R T_2}{\rho_1 R T_1}$$

Eq. 35 gives

$$\frac{p_2}{p_1} = \delta^2 \frac{\rho_2 D_1}{\rho_1 D_2}$$

Using the density ratio of Eq. 1

$$\frac{p_2}{p_1} = \delta^2 \frac{V_{n1} D_1}{V_{n2} D_2}$$

From Eq. 9 the ratio of the velocities normal to the detonation wave is expressed by

$$\frac{p_2}{p_1} = \left[\frac{V_1 (V_1 - u)}{u(V_1 - u) - v^2} \right] \delta^2 \frac{D_1}{D_2}$$

By tautology, definition of Mach number, Eq. 19 and

$$\frac{a_2^2}{a_1^2} = \delta^2 \frac{D_1}{D_2}$$

there is

$$\frac{p_2}{p_1} = \delta^2 \frac{D_1}{D_2} \left[\frac{M_1^2 a_1^2 - M_1 M_{2u} a_1 a_2}{M_1 M_{2u} a_1 a_2 - M_{2u}^2 a_2^2 - M_{2v}^2 a_2^2} \right]$$

and

$$\frac{p_2}{p_1} = \delta^2 \frac{D_1}{D_2} \left[\frac{M_1^2 - M_1 M_{2u} \delta \left(\frac{D_1}{D_2} \right)^{1/2}}{M_1 M_{2u} \delta \left(\frac{D_1}{D_2} \right)^{1/2} - M_2^2 \delta^2 \left(\frac{D_1}{D_2} \right)} \right]$$

The static pressure ratio can then be calculated from

$$\frac{p_2}{p_1} = \delta\left(\frac{D_1}{D_2}\right)^{1/2}\left[\frac{M_1^2 - M_1 M_{2u}\,\delta\left(\frac{D_1}{D_2}\right)^{1/2}}{M_1 M_{2u} - M_2\,\delta\left(\frac{D_1}{D_2}\right)^{1/2}}\right] \tag{36}$$

or

$$\frac{p_2}{p_1} = \delta\left(\frac{D_1}{D_2}\right)^{1/2}\cdot\left[\frac{M_1^2 - M_1 M_2 \cos\theta\,\delta\left(\frac{D_1}{D_2}\right)^{1/2}}{M_1 M_2 \cos\theta - M_2^2\,\delta\left(\frac{D_1}{D_2}\right)^{1/2}}\right] \tag{37}$$

The total pressure is related to the static pressure by

$$p_T = p\left[1 + \left(\frac{\gamma-1}{2}\right)M^2\right]^{\frac{\gamma}{\gamma-1}} = p\,D^{\frac{\gamma}{\gamma-1}} \tag{38}$$

and

$$\frac{p_{T2}}{p_{T1}} = \frac{p_2}{p_1}\left(\frac{D_2}{D_1}\right)^{\frac{\gamma}{\gamma-1}} \tag{39}$$

6. Flow Deflection Angle and Detonation Wave Angle.

The flow deflection angle θ is

$$\theta = \tan^{-1}\left(\frac{y}{x}\right) \tag{40}$$

The detonation wave angle σ may be found from the geometry of Fig. 8

$$\tan\sigma = \frac{V_1 - u}{v} = \frac{V_1}{v} - \frac{u}{v}$$

Conversion to the starred system gives

$$\tan\sigma = \frac{V_1 a_1^* a_2^*}{v a_1^* a_2^*} - \cot\theta = \frac{M_1^* a_1^*}{y a_2^*} - \cot\theta$$

and

$$\sigma = \tan^{-1}\left(\frac{M_1^*}{y\delta^{1/2}} - \frac{x}{y}\right) \tag{41}$$

7. Mach number after a detonation wave.

The Mach number of the flow after the detonation wave is found as a function of x and y. From Eq. 24

$$M_2^2 = \frac{2M_2^{*2}}{(\gamma+1)-(\gamma-1)M_2^{*2}}$$

With

$$M_2^{*2} = x^2 + y^2 \tag{42}$$

then

$$M_2^2 = \frac{2(x^2+y^2)}{(\gamma+1)-(\gamma-1)(x^2+y^2)}$$

The components of M_2, namely M_{2u} and M_{2v} are

$$M_{2u} = M_2 \cos\theta$$

$$M_{2v} = M_2 \sin\theta$$

CHAPTER III

CALCULATIONS AND RESULTS

1. Calculations.

Properties concerning the oblique detonation wave, namely M_2, θ, σ, $\frac{p_2}{p_1}$, $\frac{p_{t2}}{p_{t1}}$, and $\frac{T_2}{T_1}$ were calculated for given values of γ, M_1, δ, and x, using a Control Data Corporation 1604 digital computer. A program was composed for a specific γ. M_1, δ, and x were allowed to assume a range of suitable values for three values of γ. These ranges are given in Table I.

TABLE I

Ranges or Values of Parameters	
Parameter	Range of Values
γ	1.2, 1.3, 1.4
M_1	1.5 to 5.0 by increments of 0.50 8.0 to 14.0 by increments of 3.00
δ	1.0 to δ_{max} by increments of 0.04 or 0.08
x	x_{min} to x_{max} by increments of 0.03 or 0.05

where

δ_{max} is defined by Eq. 27

x_{min} is the Z_1 value of Fig. 9 and is defined by Eq. 25

x_{max} is the Z_2 value of Fig. 9 and is defined by Eq. 25

For the given set of conditions γ, M_1, δ, and x, the order of calculation and the equations used are given in Table II.

TABLE II

Order of Calculations

	Parameter	Equation Number
1)	M_1^*	23
2)	y	20a
3)	θ	40
4)	σ	41
5)	M_2^*	42
6)	M_2	24
7)	T_2/T_1	35
8)	P_2/P_1	37
9)	P_{T2}/P_{T1}	39

The Fortran program used for the above calculations appears in Appendix F.

2. Results.

For given values of γ, M_1, δ, and x (as indicated in Table I) the conditions defining the flow after an oblique detonation wave are shown in tabular form in Appendices G, H, and I. These properties are θ, M_2, σ, P_2/P_1, P_{T2}/P_{T1}, and T_2/T_1. For several select values of γ, M_1, and δ graphs of these conditions are

shown in Appendices A through D. With one notable exception the graphs are shown with x (M^*_{2u}) as the abscissa. Selections of the graphs of σ versus x were unintelligible in several cases. When this occurred the flow deflection angle θ was used as an abscissa.

CHAPTER IV

APPLICATIONS

The main application of the data presented in the appendices is the prediction of properties following a stationary oblique detonation wave which has formed on a wedge-like body in a supersonic stream. The actual physical establishment of such waves has been performed only on a small scale in special laboratory apparatus and only the normal detonation wave has been stabilized. Many experiments will be necessary to determine methods by which oblique detonation waves may be stabilized. Estimations of expected temperatures and pressures will be valuable in such experiments. Maximum values of wedge angles and the amount of heat that may be added for a given pre-detonation velocity should also prove useful.

The data in the appendices may also be used to give a first approximation in calculating or comparing the performance of detonation wave ramjet engines. As an example let the engines of Fig. 1 and Fig. 2 be denoted as A and B respectively. Consider these engines flying at an altitude of 50,000 feet at Mach 5. Table III gives the state of the flowing stream at various stations in these engines under the following assumptions:

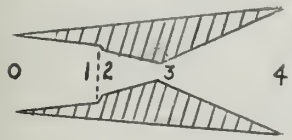
1) Flow conditions at stations 0 and 1 are the same.

2) In engine A, a normal detonation wave occurs

TABLE III

FLOW CONDITIONS IN A RAMJET ENGINE

Altitude: 50,000 feet
Velocity: Mach 5
δ : 1.2
γ : 1.4

Configuration	Station	0	1	2	3	4
Ramjet A 	M	5	5	.587	1	2.88
	p (psia)	1.685	1.685	41.00	29.35	1.685
	p_T(psia)	890	890	51.7	51.7	51.7
	T (^oR)	390	390	3150	2805	1050
	T_T(^oR)	2340	2340	3370	3370	3370
	a(ft/sec.)	968.5				1592
	V(ft/sec.)	4843				4590

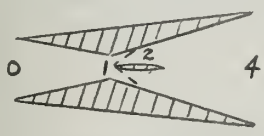
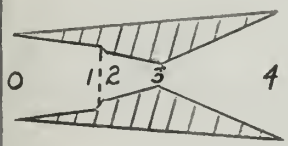
Configuration	Station	0	1	2		4
Ramjet B 	M	5	5	1		2.99
	p (psia)	1.685	1.685	32.1		1.685
	p_T(psia)	890	890	61.0		61.0
	T (^oR)	390	390	2805		1210
	T_T(^oR)	2340	2340	3370		3370
	a(ft/sec)	968.5				1710
Specific Impulse	V(ft/sec)	4843				5130
8.90 lb-sec/lb	Area(cross-sectional)	Ao	Ao	Ao		4.19Ao

TABLE IV

FLOW CONDITIONS IN A RAMJET ENGINE

Altitude: 50,000 feet
Velocity: Mach 5
γ : 1.4
δ : 1.2

Configuration	Station	0	1	2	3	4
Ramjet A 	M	5	3	.72	1	4.03
	p (psia)	1.685	24.2	182	141.5	1.685
	p_T(psia)	890	890	268	268	268
	T (^oR)	390	835	3100	2805	782
	T_T(^oR)	2340	2340	3370	3370	3370
	a(ft/sec.)	968.3				1386
Specific Impulse	V(ft/sec.)	4843				5600
23.5 lb-sec/lb	Area(cross-sectional)	Ao	.169Ao	.169Ao	.157Ao	1.69Ao

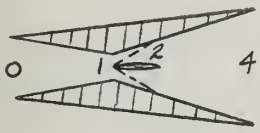
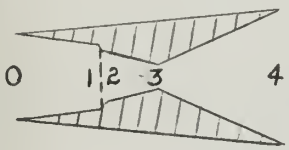
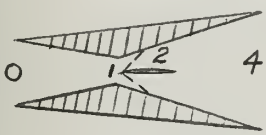
Configuration	Station	0	1	2		4
Ramjet B 	M	5	3	1		4.38
	p (psia)	1.685	24.2	148		1.685
	p_T(psia)	890	890	2795		279.5
	T (^oR)	390	835	2805		780
	T_T(^oR)	2340	2340	3370		3370
	a(ft/sec.)	968.5				1380
Specific Impulse	V(ft/sec.)	4843				6050
37.5 lb-sec/lb	Area(cross-sectional)	Ao	.169Ao	.169Ao		2.53Ao

TABLE V

FLOW CONDITIONS IN A RAMJET ENGINE

Altitude: 100,000 feet
Velocity: Mach 8
γ : 1.4
δ : 1.2

Configuration	Station	0	1	2	3	4
Ramjet A	M	8	3	.750	1	6.60
	p (psia)	.157	42.0	31.8	243.5	.157
	P_T(psia)	1540	1540	462	462	462
	T (^oR)	419.6	2065	7480	6950	860
	T_T(^oR)	5790	5790	8340	8340	8340
	a(ft/sec.)	1005				1440
Specific Impulse	V(ft/sec.)	8040				9500
45.4 lb-sec/lb	Area(cross-sectional)	Ao	.0223Ao	.0223Ao	.0209Ao	1.75Ao

Configuration	Station	0	1	2		4
Ramjet B	M	8	3	1		6.71
	p (psia)	.157	42.0	256		.157
	P_T(psia)	1540	1540	484		484
	T (^oR)	419.6	2065	6940		834
	T_T(^oR)	5790	5790	8340		8340
	a(ft/sec.)	1005				1417
Specific Impulse	V(ft/sec.)	8040				9500
45.4 lb-sec/lb	Area(cross-section)	Ao	.0223Ao	.0223Ao		1.99Ao

between stations 1 and 2. In engine B, an oblique detonation wave occurs between stations 1 and 2 such that $M_2 = 1$.

3) The properties across the detonation wave may be determined from Appendix G ($\gamma = 1.4$) for a δ of 1.2 or total temperature ratio of 1.44.

4) Engine A is choked at station 3, i.e., $M_3 = 1$.

5) The flow is fully expanded to ambient pressure by the divergent nozzle so that $p_4 = p_o$.

6) The mass flow rate remains constant throughout.

7) Except in the detonation wave, the entire cycle is isentropic.

One measure of the performance of a ramjet engine is the specific impulse, the pounds of thrust per pound of air flow per second. From Table III engine A may be seen to have the flow velocity at exit smaller than that at the inlet, $V_4 < V_o$. This is unacceptable. The exit velocity of engine B is greater than the inlet velocity and the specific impulse is 8.90. This is low compared to specific impulse estimations for a conventional type ramjet[6]. Since the exit pressure is fixed at ambient pressure, the total pressure at station 4 is the determining factor for the Mach number at exit. From Appendix G it may be seen that the total pressure losses across detonation waves are smaller at lower Mach numbers. The reason for the converging inlet duct of the ramjet shown in Fig. 3 is now evident.

Let the inlet ducts of engines A and B be such that the stream is isentropically compressed from free stream Mach number M_o of 5 to a pre-detonation Mach number M_1 of 3. Other assumptions remain the same as in the examples of Table III. Table IV gives conditions at stations in engines A and B. The specific impulse of A is 23.5 and B is 37.5. As expected, A has a smaller specific impulse due to greater losses in the stronger (normal) detonation wave.

A final example is shown in Table V for ramjet A and B at 100,000 feet and Mach 8. A specific impulse higher than any of the previous cases is shown. The high temperatures associated with hypersonic speeds may be noted. The pre-detonation temperature of 2065° R may be sufficient to allow the detonation to occur spontaneously.

The cross-sectional areas were calculated for the engines in Tables III, IV, and V. The range of values of exit to inlet areas is from 1.69 to 4.19. Such sizes seem possible for a ramjet configuration. The inlet duct ratios A_o/A_1 are high, becoming almost 50 for the Mach 8 example. The efficiency or recovery factor of such an inlet duct will not be large.

More accurate values of performance parameters may be obtained by including representative efficiencies for the various stages, and by adjusting mass flow rate and γ appropriately. Performance parameters as specific

fuel consumption, mass flow rate, specific impulse and thermal efficiency can be estimated and optimized for various altitudes, flight Mach number, pre-detonation Mach number and amount of heat addition.

Although the values for the examples of Tables III, IV and V are not exact, they provide rough estimations of what can be expected, and may suggest methods for design improvement or for increasing the performance.

CHAPTER V

CONCLUSIONS

At the present time the interest in stationary detonation waves is primarily academic because of the lack of experimental data. Theoretically the use of detonation waves is a feasible method for supersonic combustion. Supersonic burning has been achieved without resort to detonation and the losses associated with detonation. But expensive, not readily available, exotic fuels such as aluminum borohydride are necessary whereas detonation wave combustion may be accomplished with common hydrocarbon fuels. The temperatures encountered in supersonic combustion are beyond the structural capabilities of any materials now in use. While external combustion or detonation may provide a means to lessen the effects of high temperature, external combustion is also in the theoretical category.

It may be concluded that a detonation wave process in a propulsive unit is a possibility, but it is still a method of the future and will depend on experimental progress in stabilization of detonation waves and technological advances in structural materials.

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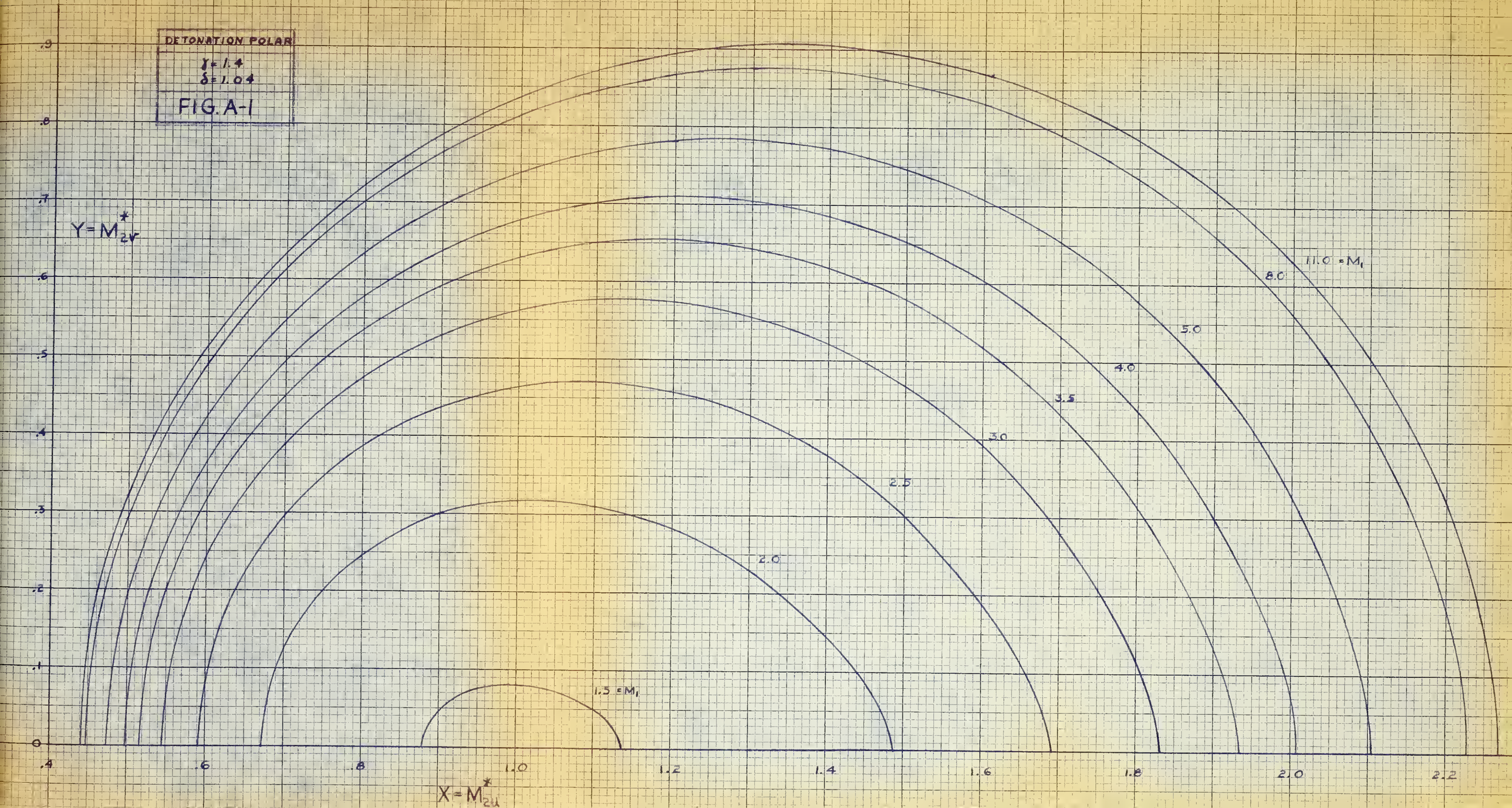
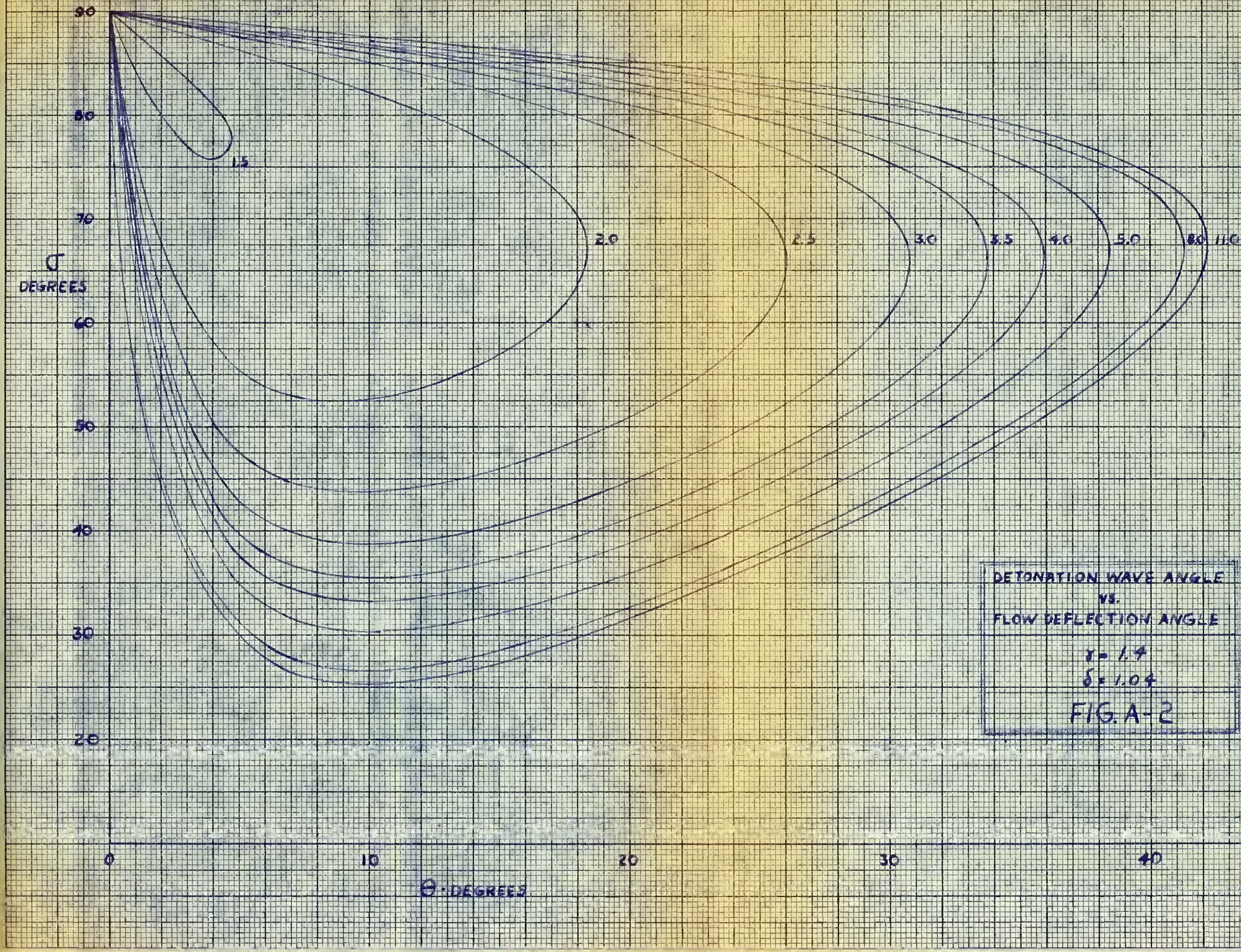
APPENDIX A

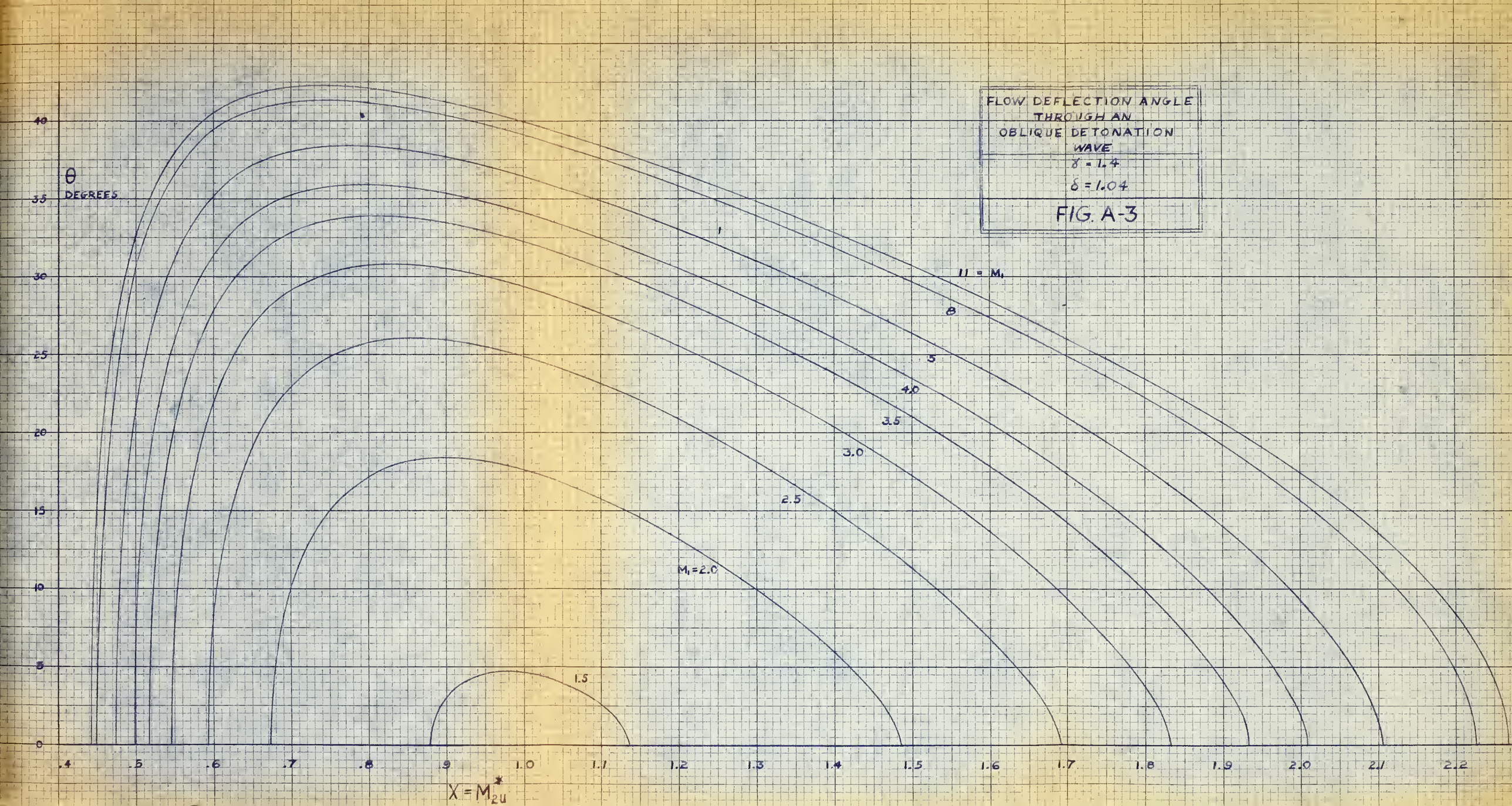

DETONATION POLAR
γ = 1.4
δ = 1.04
FIG. A-1
Y = M*2V
X = M*2U
11.0 = M1
8.0
5.0
4.0
3.5
3.0
2.5
2.0
1.5 = M1
.9
.8
.7
.6
.5
.4
.3
.2
.1
0
.4
.6
.8
1.0
1.2
1.4
1.6
1.8
2.0
2.2



DETONATION WAVE ANGLE
VS.
FLOW DEFLECTION ANGLE

$\gamma = 1.4$
$\delta = 1.04$

FIG. A-2

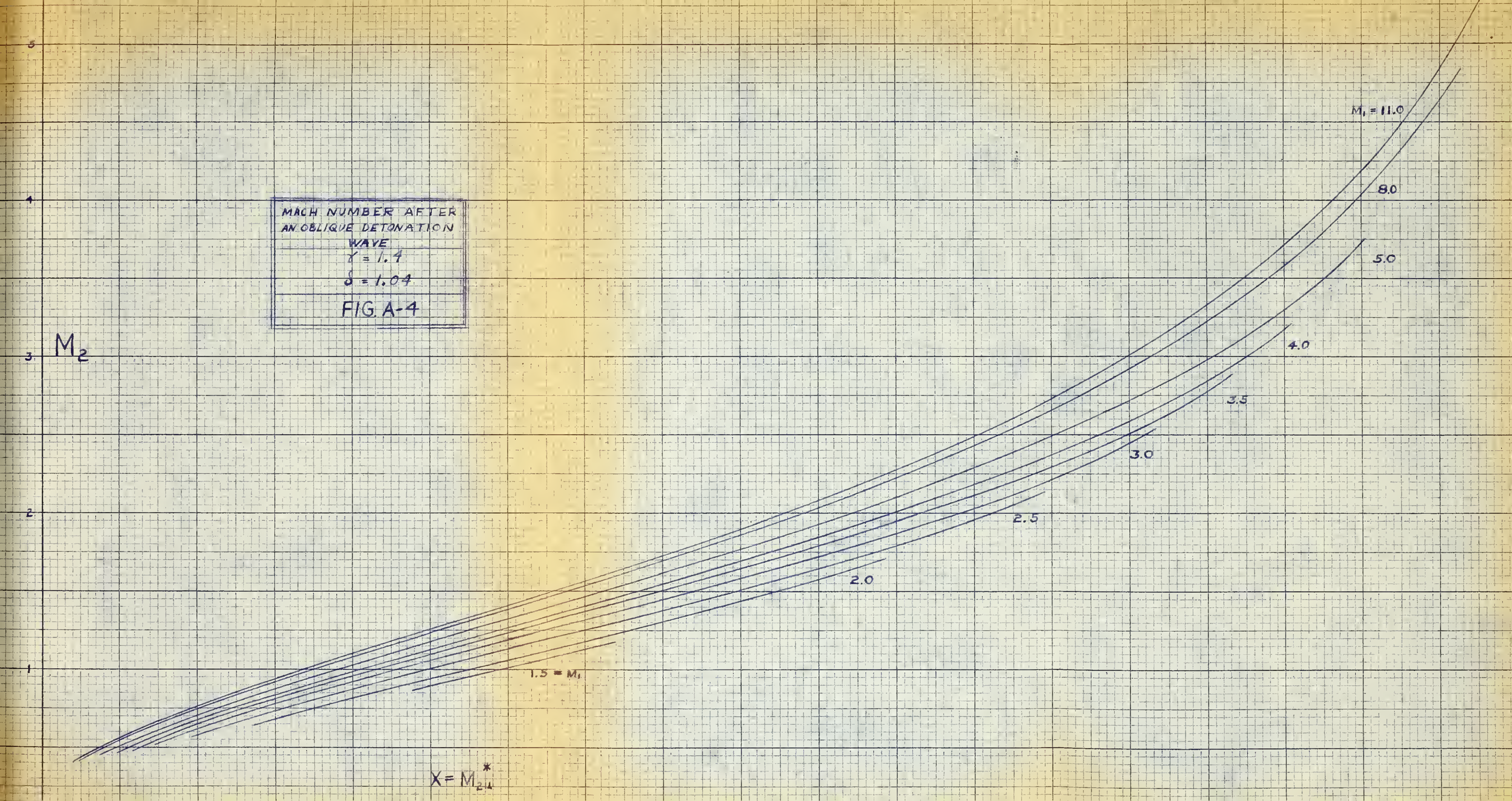

θ
DEGREES
40
35
30
25
20
15
10
5
0
.4
.5
.6
.7
.8
.9
1.0
1.1
1.2
1.3
1.4
1.5
1.6
1.7
1.8
1.9
2.0
2.1
2.2
X = M*2u
FLOW DEFLECTION ANGLE THROUGH AN OBLIQUE DETONATION WAVE
γ = 1.4
δ = 1.04
FIG. A-3
M1 = M1
∞
5
4.0
3.5
3.0
2.5
M1 = 2.0
1.5

MACH NUMBER AFTER AN OBLIQUE DETONATION WAVE

$\gamma = 1.4$

$\delta = 1.04$

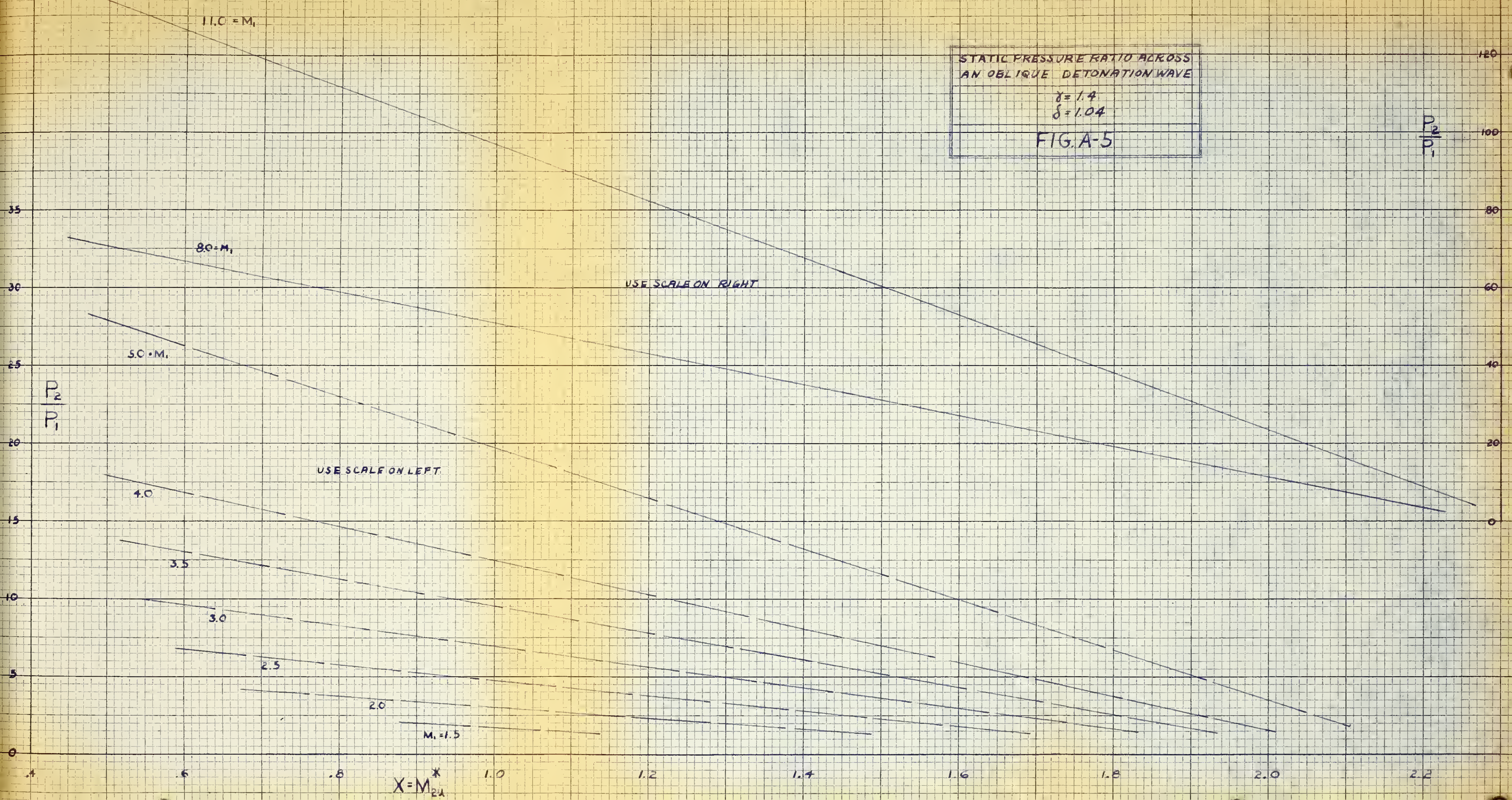
FIG. A-4

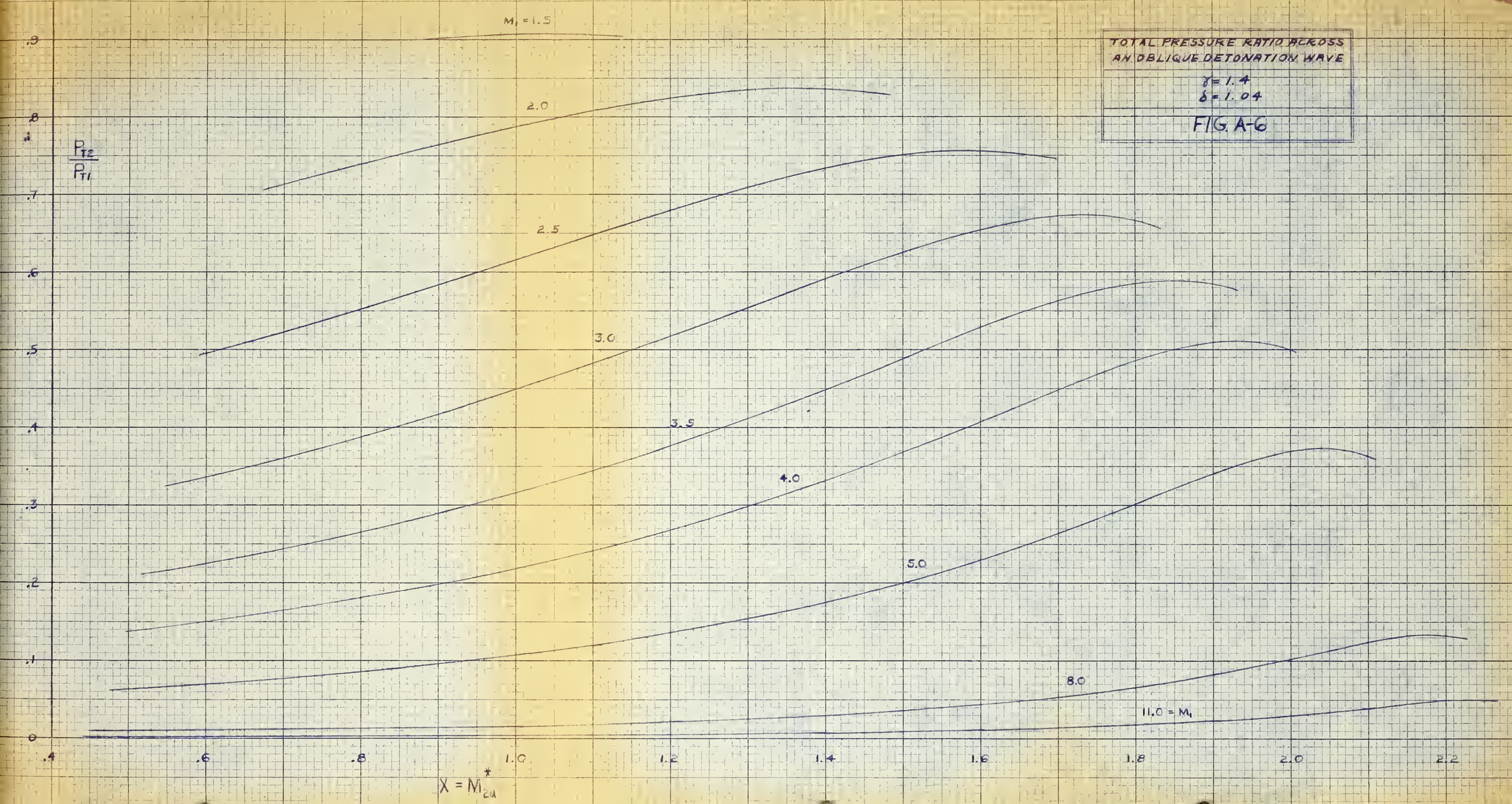


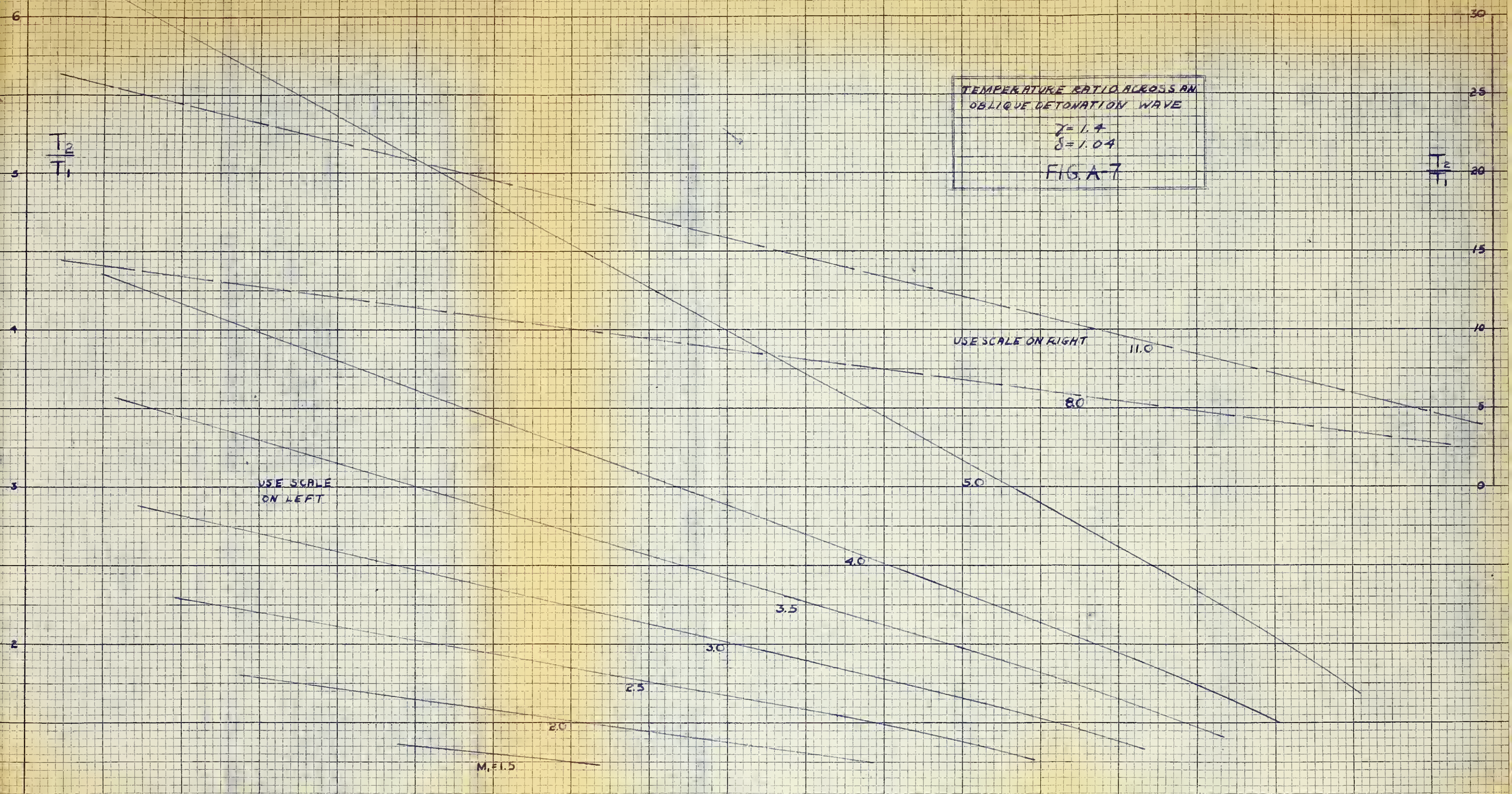
STATIC PRESSURE RATIO ACROSS AN OBLIQUE DETONATION WAVE

$\gamma = 1.4$
$\delta = 1.04$

FIG. A-5




TOTAL PRESSURE RATIO ACROSS AN OBLIQUE DETONATION WAVE
γ = 1.4
δ = 1.04
FIG. A-6
$\frac{P_{T2}}{P_{T1}}$
$M_1 = 1.5$
2.0
2.5
3.0
3.5
4.0
5.0
8.0
11.0 = M_1
.9
.8
.7
.6
.5
.4
.3
.2
.1
0
.4
.6
.8
1.0
1.2
1.4
1.6
1.8
2.0
2.2
$X = M^*_{2A}$


TEMPERATURE RATIO ACROSS AN OBLIQUE DETONATION WAVE
γ = 1.4
δ = 1.04
FIG. A-7
T2/T1
USE SCALE ON LEFT
USE SCALE ON RIGHT
11.0
8.0
5.0
4.0
3.5
3.0
2.5
2.0
M1 = 1.5
6
5
4
3
2
1
30
25
20
15
10
5
0

APPENDIX B

DETONATION POLAR
$\gamma = 1.4$
$\delta = 1.12$
FIG B-1

$Y = M^{*}_{2r}$

$M_1 = 11.0$
8.0
5.0
4.0
3.5
3.0
2.5
$M_1 = 2.0$

.8 .7 .6 .5 .4 .3 .2 .1 0

.5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

$X = M^{*}_{2x}$

DETACHMENT SHOCK ANGLE
VS.
FLOW DEFLECTION ANGLE

$\gamma = 1.4$

$M_1 = 2$

FIG. B-2

FLOW DEFLECTION ANGLE THROUGH AN OBLIQUE DETONATION WAVE

$\gamma = 1.4$

$\delta = 1.12$

FIG. B-3

θ DEGREES

40
35
30
25
20
15
10
5
0

8
5
4
3.5
3
2.5
$M_1 = \infty$

.5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

$X = M_{24}^{\gamma}$

MACH NUMBER AFTER AN OBLIQUE DETONATION WAVE

$\gamma = 1.4$

$\delta = 1.12$

FIG. B-4

M_2

3.2
3.0
2.8
2.6
2.4
2.2
2.0
1.8
1.6
1.4
1.2
1.0
.8
.6
.4
.2

8
5
4
3
2.5
$M_1 = 2$

.5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

$X = M_{2n}^*$

STATIC PRESSURE RATIO ACROSS AN OBLIQUE DETOVATION WAVE

$\gamma = 1.4$

$\delta = 1.12$

FIG. B-5

$\frac{P_2}{P_1}$

$\frac{P_2}{P_1}$

USE SCALE ON RIGHT

USE SCALE ON LEFT

$M_1 = 2$

2.5

3

3.5

4

5

6

11

$X = M_{2u}$

TOTAL PRESSURE RATIO ACROSS AN OBLIQUE DETONATION WAVE

$\gamma = 1.4$

$\delta = 1.12$

FIG. B-6

$\frac{P_{T2}}{P_{T1}}$

$M_1 = 2.0$

2.5

3.0

3.5

4.0

5.0

8.0

11.0

.70
.60
.50
.40
.30
.20
.10
.05

1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

$X = M^*_{2d}$

TEMPERATURE RATIO ACROSS OBLIQUE DETONATION WAVE

$\gamma = 1.4$

$\delta = 11.2°$

FIG. B-7

$\frac{T_2}{T_1}$

$\frac{1}{\epsilon^2}$

$\frac{1}{\epsilon}$

USE SCALE ON RIGHT

USE SCALE ON LEFT

$M_1 = 5$

$M_1 = 2.0$

$X = M_{1n}$

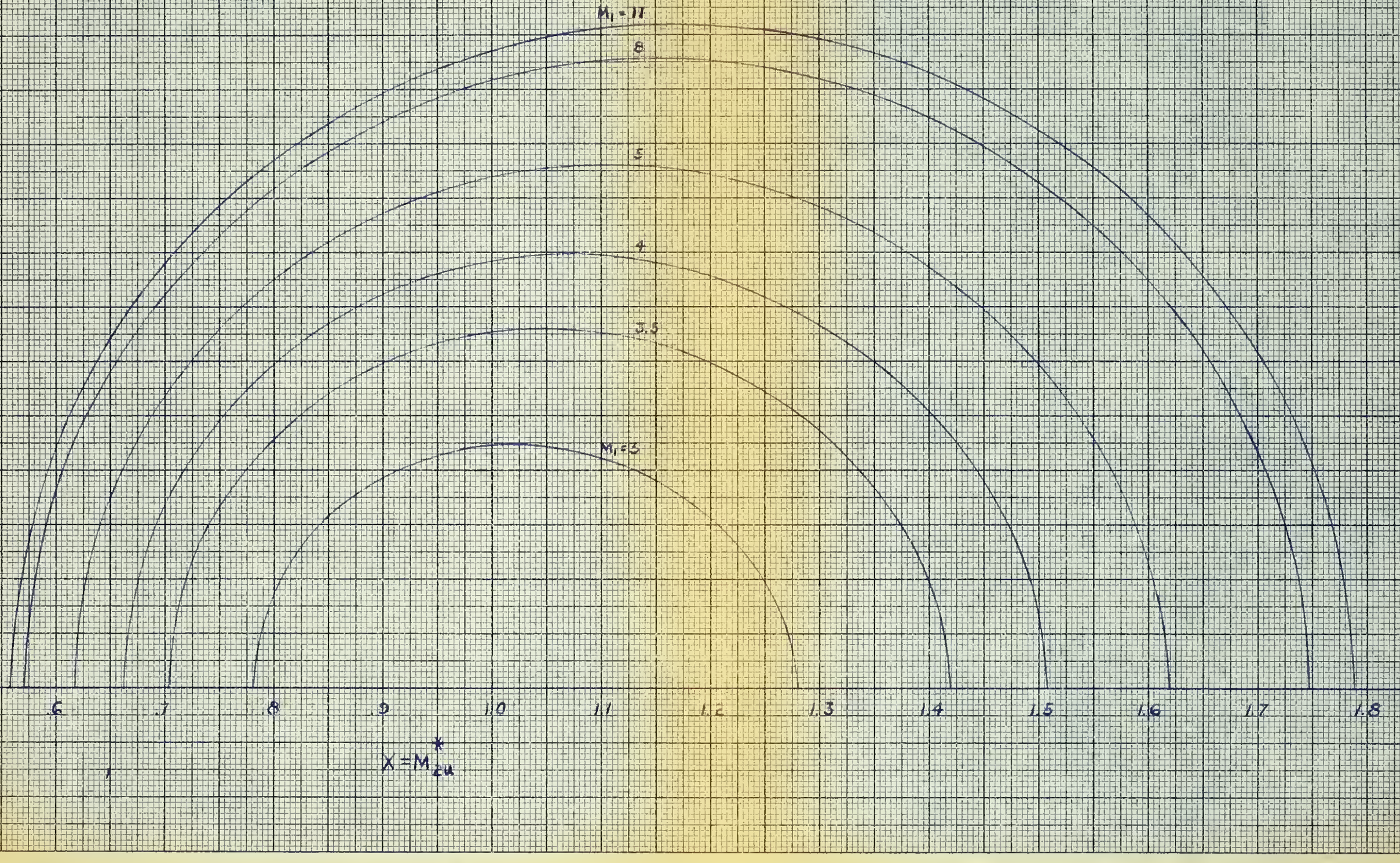
APPENDIX C

DETONATION POLAR

$\gamma = 1.4$

$\delta = 1.20$

FIG. C-1



90

85

80

75

70

65

60

55

$M_u = 3$

3.5

4

5

8

11

DETONATION WAVE ANGLE

$\gamma = 1.4$

$\delta = 1.20$

FIG. C-2

.5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8

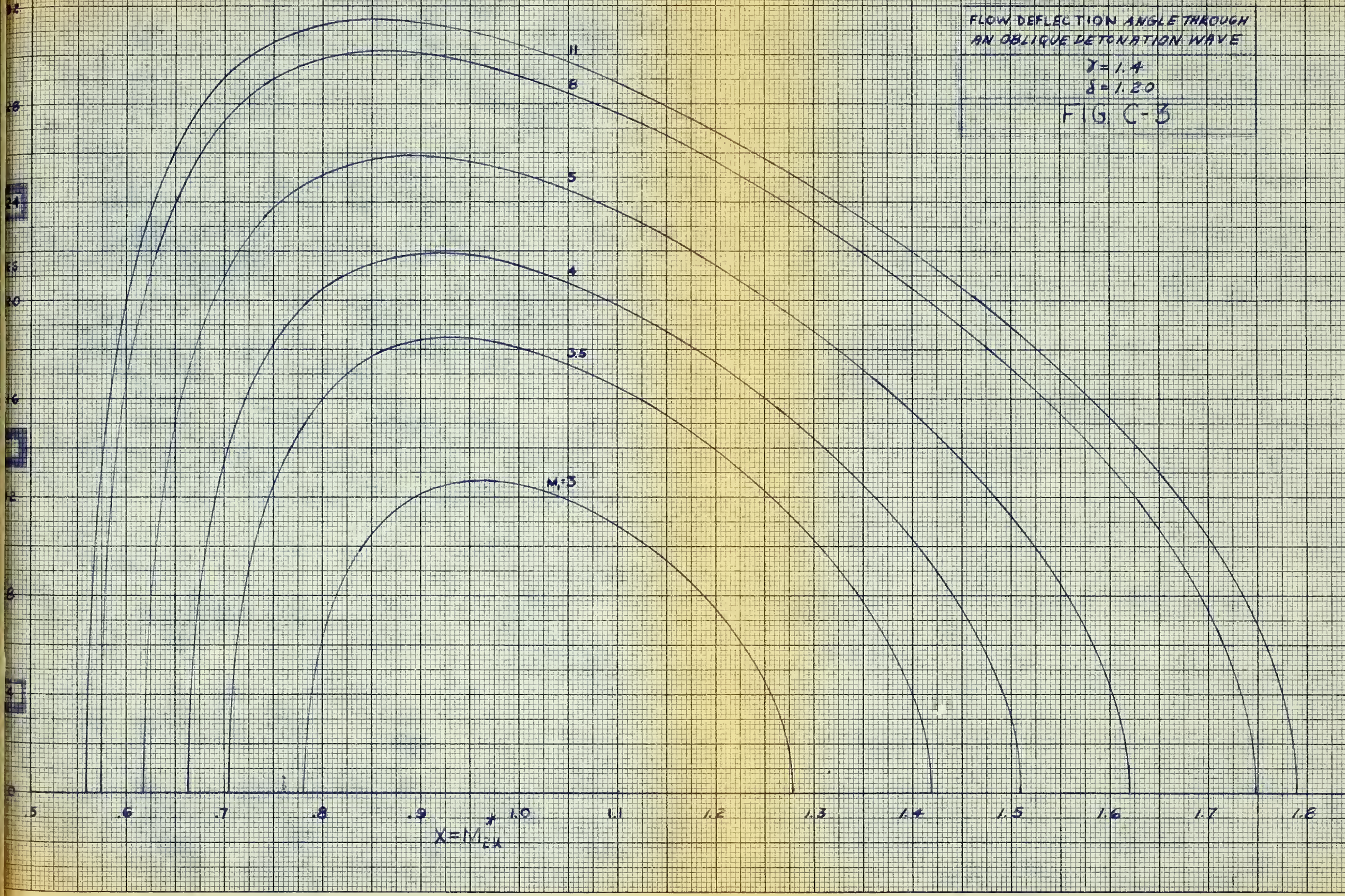
$X = M_{cu}$

FLOW DEFLECTION ANGLE THROUGH AN OBLIQUE DETONATION WAVE

$\gamma = 1.4$

$\delta = 1.20$

FIG. C-3

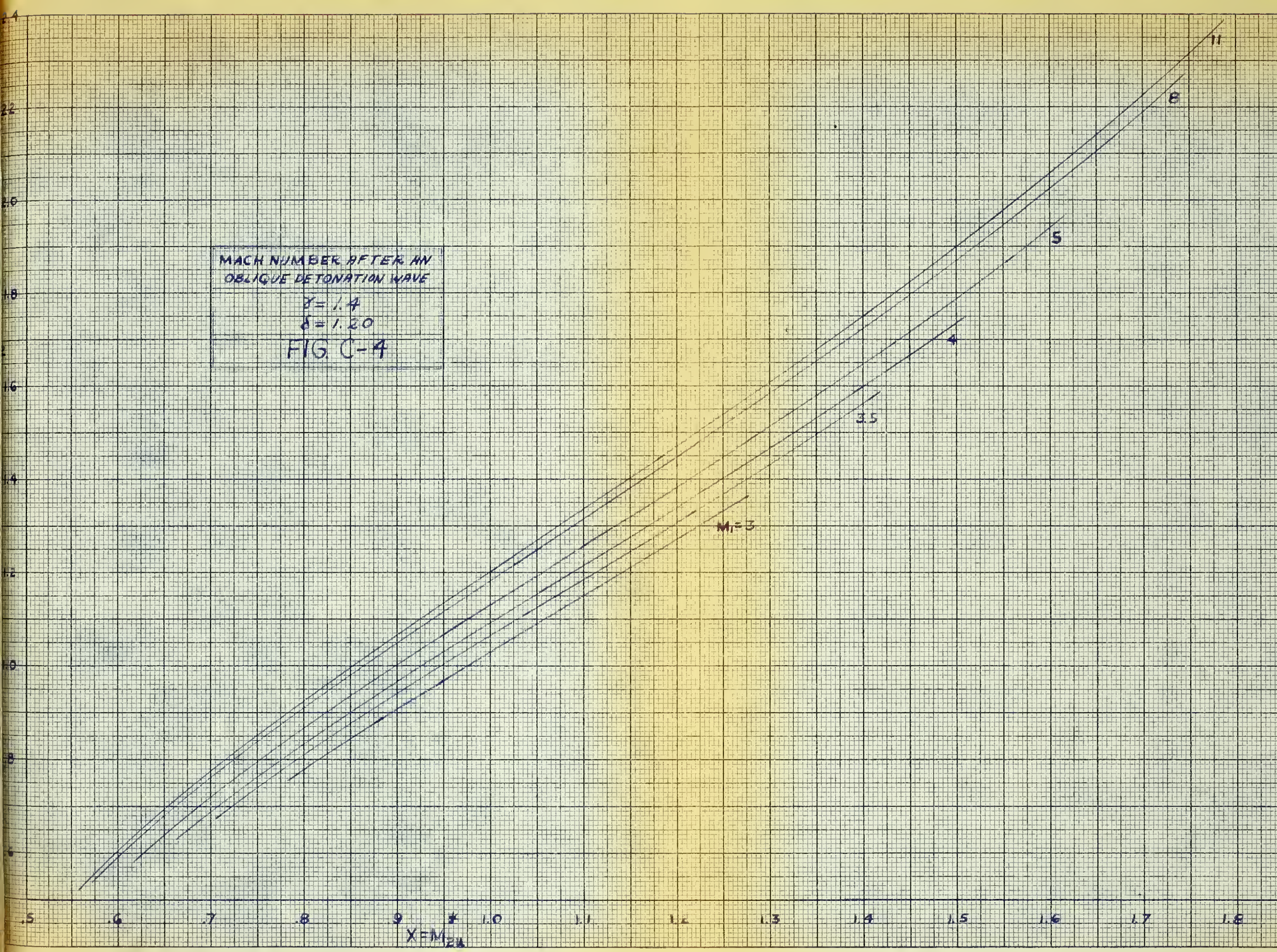


MACH NUMBER AFTER AN OBLIQUE DETONATION WAVE

$\gamma = 1.4$

$\delta = 1.20$

FIG. C-4



STATIC PRESSURE RATIO ACROSS
AN OBLIQUE DETONATION WAVE

$\gamma = 1.4$

$\delta = 1.20$

FIG. C-5

$M_1 = 11$

6

4

3.5

$M_1 = 3$

USE SCALE ON RIGHT

USE SCALE ON LEFT

P_2/P_1

120

100

80

60

40

20

0

5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8

$X = M_{2\perp}$

TOTAL PRESSURE RATIO ACROSS AN OBLIQUE DETONATION WAVE

$\gamma = 1.4$

$\delta = 1.20$

FIG. C-6

$M_1 = 3$

3.5

4

5

6

11

$X = M_{1.4}$

.32
.28
.24
.20
.16
.12
.08
.04
0

.5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8

TEMPERATURE RATIO ACROSS
AN OBLIQUE DETONATION WAVE
$\gamma = 1.4$
$\delta = 1.20$

FIG. C-7

$M_1 = 11$

10

9

8

7

6

5

4

3.5

$M_1 = 3$

USE SCALE ON LEFT

USE SCALE ON RIGHT

$\frac{T_2}{T_1}$

36

32

28

24

20

16

12

8

.5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8

$X = M_{2k}^*$

APPENDIX D

DETONATION POLAR
$\gamma = 1.4$
$M_1 = 3.0$
FIG D-1

$Y = M^*_{2V}$

$\delta = 1.00$
1.04
1.08
1.12
1.16
1.20

.7
.6
.5
.4
.3
.2
.1
0

.5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

$X = M^*_{2H}$

90
80
70
60
σ
DEGREES
50
40
30
20

δ = 1.20
1.16
1.12
1.08
1.04
δ = 1.00

DETONATION WAVE ANGLE
$\gamma = 1.4$
$M_1 = 3.0$
FIG. D-2

.5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
$X = M_{2d}$

FLOW DEFLECTION ANGLE THROUGH AN OBLIQUE DETONATION WAVE

$\gamma = 1.4$

$M_1 = 3.0$

FIG. D-3

θ DEGREES

32
28
24
20
16
12
8
4
0

$\delta = 1.20$
$\delta = 1.16$
$\delta = 1.12$
$\delta = 1.08$
$\delta = 1.04$
$\delta = 1.00$

.5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

$X = M^*_{2u}$

MACH NUMBER AFTER AN OBLIQUE DETONATION WAVE

$\gamma = 1.4$

$M_1 = 3.0$

FIG. D-4

M_2

3.2
2.8
2.4
2.0
1.6
1.2
.8
.4
0.0

1.00 = δ
1.04
1.08
1.12
1.16
δ = 1.20

.5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

$X = M_{2u}^*$

$\frac{P_2}{P_1}$

STATIC PRESSURE RATIO ACROSS AN OBLIQUE DETONATION WAVE

$\gamma = 1.4$

$M_1 = 3.0$

FIG. D-5

$\delta = 1.20$

1.16

1.12

1.08

1.04

$\delta = 1.00$

$X = M_{cu}^*$

TOTAL PRESSURE RATIO ACROSS AN OBLIQUE DETONATION WAVE

$\gamma = 1.4$

$M_1 = 5.0$

FIG. D-6

$\frac{P_{t2}}{P_{t1}}$

$\delta = 1.0$

1.04

1.08

1.12

1.16

$\delta = 1.20$

$X = M_{2n}^*$

$\frac{T_2}{T_1}$

1.20 - δ

1.16

1.12

1.08

1.04

1.00 - δ

4
3.5
3
2.5
2
1.5
1

.5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0

$X = M_{2A}$

TEMPERATURE RATIO ACROSS AN OBLIQUE DETONATION WAVE

$\gamma = 1.4$

$M_1 = 3.0$

FIG. D-7

APPENDIX E

M vs M^*

FIG E-1

M^*

3.2
2.8
2.4
2.0
1.6
1.2
.8
.4
0

1.2
1.3
$\gamma = 1.4$

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14

M

M^*

1.0
.9
.8
.7
.6
.5
.4
.3
.2
.1
0

$\gamma = 1.4$

1.2

0 .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0

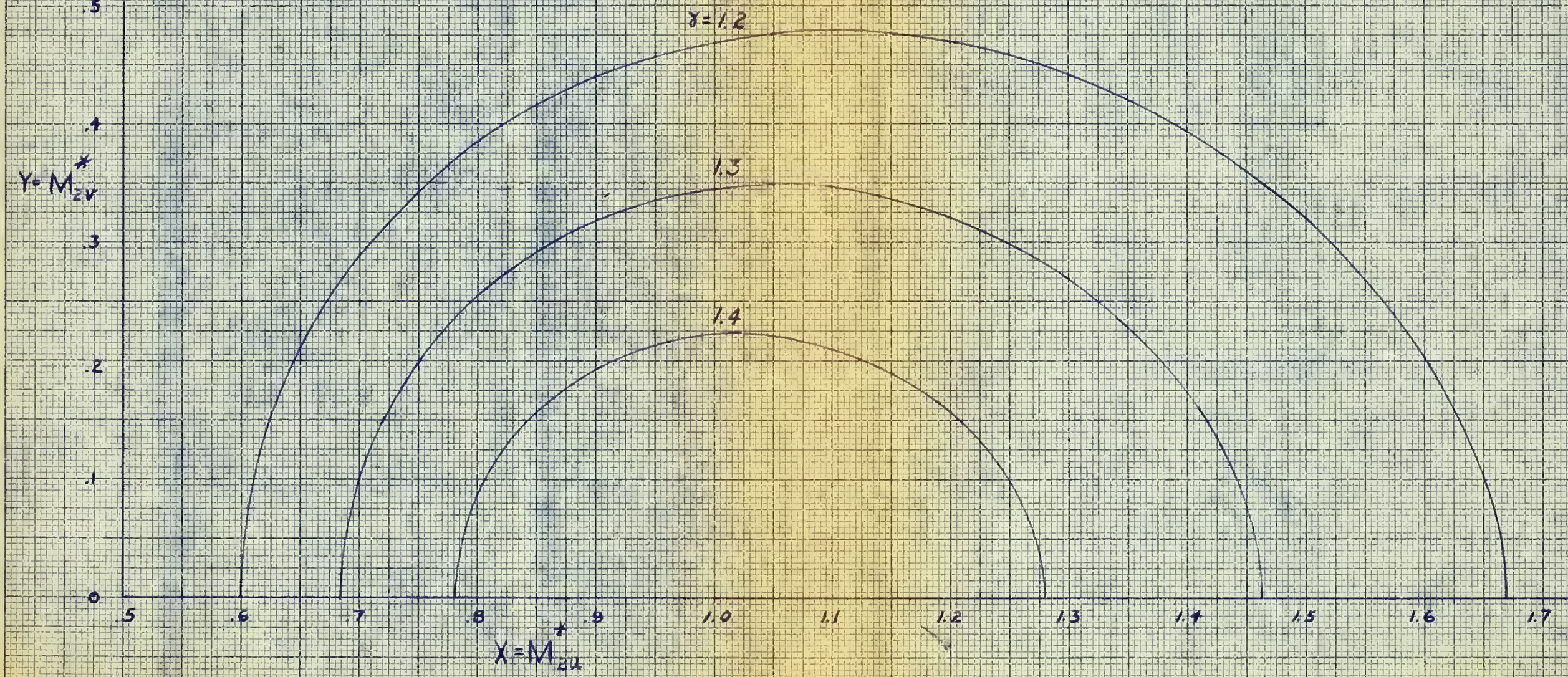
M

DETONATION POLAR

$M_1 = 3.0$

$\delta = 120$

FIG. E-2



APPENDIX F

APPENDIX F

COMPUTER PROGRAM

The data in Appendices G, H, and I was obtained by use of a Fortran (Formula translation) program on the U. S. Naval Postgraduate School Control Data Corporation 1604 digital computer. Table F-I is a list of variable names used in the program and their actual counterparts. Table F-II is an example of the program for a specific value of $\gamma = 1.4$. In this program the equations noted in Table II were solved for $\gamma = 1.4$. M_1, δ, and x were allowed to assume ranges of values. Use of the program may be made for any value of γ, M_1, or δ with only minor alterations.

TABLE F-I

TABLE OF FORTRAN VARIABLE NAMES

Fortran Symbol	Definition
BY	y
DEL	δ
DELMAX	δ_{max}
EM1	M_1
EM1SQ	M_1^2
EM1ST	M_1^*
EM2	M_2
EM2SQ	M_2^2
EM2STSQ	$(M_2^*)^2$
EM2U	M_{2u}
EX	x
GAM	γ
P21	P_2/P_1
PT21	P_{T2}/P_{T1}
SIGD	σ (degrees)
SIGR	σ (radians)
THETAD	θ (degrees)
THETAR	θ (radians)
T21	T_2/T_1
XMA	x_{max} (Z_2 value of Fig. 9)
XMI	x_{min} (Z_1 value of Fig. 9)

TABLE F-II

```
      PROGRAM OBLIQUE
     OPROGRAM TO CALCULATE PROPERTIES OF AN OBLIQUE DETONATION (LOOP
     1BRANCH  M1 = 1 TO 5 BY .5)
     OCOMMON GAM,GPL,GMS, EM1, EM1ST, DEL, EX, BY, EM2U, EM2, DELMAX,
     1THETAD, SIGD, P21, PT21, XMI, IXMI, XMA, IXMA, A2, C5, EM1SQ,T21
      GAM  = 1.4
      GPL  = GAM+1.
      GMS  = GAM-1.
      DO 120   IEM1 = 10,50,5
      XEM1 = IEM1
      EM1  = XEM1/10.
      EM1SQ = EM1**2
      EM1ST = SQRTF(EM1SQ * GPL/ (2. + EM1SQ * GMS ))
      DELMAX  = (EM1ST**2+1.)/(2.*EM1ST)
      DDELMX  = DELMAX*1000.
      IDELMX  = DDELMX
      WRITE OUTPUT TAPE 3,95
      WRITE OUTPUT TAPE 3, 100
      DO 60  IDEL= 1000,IDELMX,40
      XDEL=IDEL
      DEL   =XDEL/1000.
      CALL ZERO
      IF (A2)  60, 40, 40
   40 DO 50  IEX=IXMI, IXMA, 300
      XEX=IEX
      EX       = XEX/10000.
      CALL CALCU
      IF (C5)  50, 55, 55
   550WRITE OUTPUT TAPE 3, 110, EM1, EM1ST, DELMAX, DEL, XMI, XMA, EX,
     1BY, EM2U, EM2, THETAD, SIGD, P21, PT21, T21
   50 CONTINUE
      WRITE OUTPUT TAPE 3, 57
   57 FORMAT (  / )
   60 CONTINUE
   950FORMAT (1H1  45X  29H LOOP BRANCH (M1 FROM 1 TO 5)  //
     112H GAMMA = 1.4, // )
  1000FORMAT (119H  M1    M1*   DELMAX  DEL    XMIN    XMAX   X(M2U*) Y(
     1M2V*)   M2U       M2    THETA   SIGMA     PR21    PTR21     TR21 )
  110 FORMAT (F5.1,2F8.4,F5.2,4F8.4, 2F9.4, 2F8.4, 2F9.4, F 9.4)
  120 CONTINUE
      END FILE 3
      STOP
      END
      SUBROUTINE ZERO
     OCOMMON GAM,GPL,GMS, EM1, EM1ST, DEL, EX, BY, EM2U, EM2, DELMAX,
     1THETAD, SIGD, P21, PT21, XMI, IXMI, XMA, IXMA, A2, C5, EM1SQ,T21
      A1 = DELMAX/DEL
      A2 = A1 ** 2 - 1.
      IF (A2)  35, 29, 30
   29 A3 = 0.
      GO TO 31
   30 A3 = SQRTF  (A2)
   31 XMI =  A1 - A3
      XMA = A1+ A3
      XXMI = XMI * 100.  + 1.
      IXXMI = XXMI
      IXMI = IXXMI * 100
      XXMA     = XMA    *10000.
      IXMA     = XXMA
   35 RETURN
      END
      SUBROUTINE CALCU
     OCOMMON GAM,GPL,GMS, EM1, EM1ST, DEL, EX, BY, EM2U, EM2, DELMAX,
     1THETAD, SIGD, P21, PT21, XMI, IXMI, XMA, IXMA, A2, C5, E 1SQ,T21
      C1 = EM1ST-DEL*EX
      C2 = EX   *C1-(DEL*EM1ST-EX   )/EM1ST
      C3 =1./EM1ST + 2.*EM1ST/GPL
      C4 = DEL*(C3-DEL*EX   )
      C5 = C1*C2/C4
      IF (C5)  45, 46, 40
   46 BY    = 0.0
      THETAR   = 0.0
      THETAD = 0.0
```

```
      SIGD = 90.0
      GO TO 42
   40 BY       =SQRTF(C5)
      THETAR = ATANF (BY/EX)
      THETAD = THETAR * 57.2958
      W1 = EM1ST/ (BY * SQRTF(DEL))
      SIGR = ATANF( W1 - EX/BY)
      SIGD = SIGR * 57.2958
   42 EM2STSQ = EX **2 + C5
      EM2 = SQRTF ((2.* EM2STSQ) / (GPL - GMS * EM2STSQ ))
      EM2U = EM2 * COSF(THETAR)
      EM2SQ =  EM2 ** 2
      D1 = 1. + EM1SQ * GMS/2.
      D2  =  1. + EM2SQ * GMS/2.
      T21 =  (DEL ** 2) * (D1/D2)
      D3 = SQRTF (T21)
      D4 = EM1 * EM2U
      P21 =(EM1SQ - D4 * D3) * D3 / ( D4 - EM2SQ * D3 )
      PT21  = P21 * (D2/D1) ** ( GAM / GMS )
   45 RETURN
      END
      END
```

THEORETICAL INVESTIGATIONS OF THE PROPERTIES OF OBLIQUE DETONATION WAVES

by

Philip 'F' Gibber

APPENDICES G, H, and I

Gibber, Philip 'F'

APPENDIX G

LOOP BRANCH (M1 FROM 1 TO 5)

GAMMA = 1.4

M1	M1*	DELMAX	DEL	XMIN	XMAX	X(M2U*)	Y(M2V*)	M2U	M2	THETA	SIGMA	PR21	PTR21	TR21
1.5	1.3646	1.0487	1.00	.7328	1.3646	.7400	.0498	.7088	.7104	3.8469	85.4450	2.4418	.9313	1.3171
1.5	1.3646	1.0487	1.00	.7328	1.3646	.7700	.1093	.7413	.7487	8.0791	79.5837	2.3725	.9374	1.3038
1.5	1.3646	1.0487	1.00	.7328	1.3646	.8000	.1415	.7741	.7861	10.0276	75.9337	2.3033	.9434	1.2905
1.5	1.3646	1.0487	1.00	.7328	1.3646	.8300	.1634	.8074	.8229	11.1377	73.0030	2.2340	.9492	1.2771
1.5	1.3646	1.0487	1.00	.7328	1.3646	.8600	.1790	.8410	.8590	11.7607	70.4630	2.1648	.9547	1.2635
1.5	1.3646	1.0487	1.00	.7328	1.3646	.8900	.1901	.8751	.8948	12.0544	68.1750	2.0955	.9600	1.2498
1.5	1.3646	1.0487	1.00	.7328	1.3646	.9200	.1973	.9096	.9303	12.1064	66.0646	2.0263	.9651	1.2360
1.5	1.3646	1.0487	1.00	.7328	1.3646	.9500	.2014	.9446	.9656	11.9711	64.0866	1.9570	.9699	1.2221
1.5	1.3646	1.0487	1.00	.7328	1.3646	.9800	.2027	.9801	1.0009	11.6845	62.2108	1.8878	.9744	1.2080
1.5	1.3646	1.0487	1.00	.7328	1.3646	1.0100	.2013	1.0162	1.0362	11.2717	60.4157	1.8185	.9786	1.1937
1.5	1.3646	1.0487	1.00	.7328	1.3646	1.0400	.1975	1.0528	1.0716	10.7504	58.6855	1.7493	.9824	1.1792
1.5	1.3646	1.0487	1.00	.7328	1.3646	1.0700	.1912	1.0900	1.1072	10.1336	57.0079	1.6800	.9859	1.1645
1.5	1.3646	1.0487	1.00	.7328	1.3646	1.1000	.1827	1.1278	1.1432	9.4304	55.3729	1.6108	.9891	1.1495
1.5	1.3646	1.0487	1.00	.7328	1.3646	1.1300	.1719	1.1663	1.1797	8.6476	53.7726	1.5415	.9918	1.1343
1.5	1.3646	1.0487	1.00	.7328	1.3646	1.1600	.1587	1.2056	1.2168	7.7896	52.2002	1.4722	.9941	1.1187
1.5	1.3646	1.0487	1.00	.7328	1.3646	1.1900	.1431	1.2456	1.2546	6.8592	50.6496	1.4030	.9961	1.1028
1.5	1.3646	1.0487	1.00	.7328	1.3646	1.2200	.1252	1.2866	1.2933	5.8578	49.1156	1.3337	.9976	1.0865
1.5	1.3646	1.0487	1.00	.7328	1.3646	1.2500	.1046	1.3285	1.3331	4.7855	47.5935	1.2645	.9987	1.0697
1.5	1.3646	1.0487	1.00	.7328	1.3646	1.2800	.0815	1.3715	1.3743	3.6410	46.0786	1.1952	.9994	1.0525
1.5	1.3646	1.0487	1.00	.7328	1.3646	1.3100	.0554	1.4158	1.4170	2.4220	44.5668	1.1260	.9998	1.0345
1.5	1.3646	1.0487	1.00	.7328	1.3646	1.3400	.0263	1.4614	1.4617	1.1246	43.0537	1.0567	1.0000	1.0159
1.5	1.3646	1.0487	1.04	.8787	1.1380	.8800	.0124	.8608	.8609	.8076	88.4488	2.0373	.9003	1.3659
1.5	1.3646	1.0487	1.04	.8787	1.1380	.9100	.0568	.8950	.8968	3.5725	82.4399	1.9653	.9023	1.3510
1.5	1.3646	1.0487	1.04	.8787	1.1380	.9400	.0725	.9297	.9325	4.4122	79.6740	1.8933	.9040	1.3360
1.5	1.3646	1.0487	1.04	.8787	1.1380	.9700	.0796	.9649	.9682	4.6907	77.7987	1.8213	.9052	1.3207
1.5	1.3646	1.0487	1.04	.8787	1.1380	1.0000	.0809	1.0007	1.0039	4.6251	76.5427	1.7493	.9061	1.3052
1.5	1.3646	1.0487	1.04	.8787	1.1380	1.0300	.0775	1.0370	1.0399	4.3009	75.8863	1.6772	.9066	1.2894
1.5	1.3646	1.0487	1.04	.8787	1.1380	1.0600	.0695	1.0739	1.0762	3.7510	75.9686	1.6052	.9066	1.2734
1.5	1.3646	1.0487	1.04	.8787	1.1380	1.0900	.0564	1.1115	1.1130	2.9620	77.1915	1.5332	.9062	1.2569
1.5	1.3646	1.0487	1.04	.8787	1.1380	1.1200	.0351	1.1498	1.1503	1.7939	80.8621	1.4612	.9053	1.2401

LOOP BRANCH (M1 FROM 1 TO 5)

GAMMA = 1.4

M1	M1*	DELMAX	DEL	XMIN	XMAX	X(M2U*)	Y(M2V*)	M2U	M2	THETA	SIGMA	PR21	PTR21	TR21
2.0	1.6330	1.1227	1.00	.6124	1.6330	.6200	.0761	.5853	.5897	6.9934	85.7064	4.4738	.7235	1.6829
2.0	1.6330	1.1227	1.00	.6124	1.6330	.6500	.1658	.6170	.6367	14.3067	80.4282	4.3710	.7339	1.6650
2.0	1.6330	1.1227	1.00	.6124	1.6330	.6800	.2179	.6489	.6815	17.7700	77.1191	4.2681	.7443	1.6470
2.0	1.6330	1.1227	1.00	.6124	1.6330	.7100	.2566	.6813	.7244	19.8700	74.4639	4.1652	.7549	1.6290
2.0	1.6330	1.1227	1.00	.6124	1.6330	.7400	.2873	.7141	.7660	21.2169	72.1669	4.0623	.7656	1.6110
2.0	1.6330	1.1227	1.00	.6124	1.6330	.7700	.3124	.7472	.8064	22.0805	70.1024	3.9595	.7763	1.5929
2.0	1.6330	1.1227	1.00	.6124	1.6330	.8000	.3331	.7808	.8458	22.6070	68.2031	3.8566	.7870	1.5747
2.0	1.6330	1.1227	1.00	.6124	1.6330	.8300	.3504	.8148	.8844	22.8853	66.4279	3.7537	.7979	1.5565
2.0	1.6330	1.1227	1.00	.6124	1.6330	.8600	.3646	.8492	.9224	22.9734	64.7495	3.6508	.8087	1.5382
2.0	1.6330	1.1227	1.00	.6124	1.6330	.8900	.3762	.8841	.9599	22.9109	63.1486	3.5479	.8196	1.5199
2.0	1.6330	1.1227	1.00	.6124	1.6330	.9200	.3853	.9195	.9969	22.7262	61.6109	3.4451	.8305	1.5015
2.0	1.6330	1.1227	1.00	.6124	1.6330	.9500	.3923	.9554	1.0337	22.4398	60.1256	3.3422	.8413	1.4831
2.0	1.6330	1.1227	1.00	.6124	1.6330	.9800	.3973	.9918	1.0702	22.0669	58.6839	3.2393	.8521	1.4645
2.0	1.6330	1.1227	1.00	.6124	1.6330	1.0100	.4003	1.0287	1.1066	21.6192	57.2789	3.1364	.8629	1.4459
2.0	1.6330	1.1227	1.00	.6124	1.6330	1.0400	.4014	1.0662	1.1429	21.1055	55.9047	3.0335	.8735	1.4272
2.0	1.6330	1.1227	1.00	.6124	1.6330	1.0700	.4007	1.1043	1.1792	20.5323	54.5564	2.9307	.8841	1.4084
2.0	1.6330	1.1227	1.00	.6124	1.6330	1.1000	.3983	1.1429	1.2156	19.9048	53.2297	2.8278	.8944	1.3894
2.0	1.6330	1.1227	1.00	.6124	1.6330	1.1300	.3941	1.1823	1.2521	19.2267	51.9210	2.7249	.9046	1.3703
2.0	1.6330	1.1227	1.00	.6124	1.6330	1.1600	.3881	1.2222	1.2888	18.5008	50.6269	2.6220	.9145	1.3511
2.0	1.6330	1.1227	1.00	.6124	1.6330	1.1900	.3804	1.2629	1.3259	17.7289	49.3443	2.5192	.9242	1.3317
2.0	1.6330	1.1227	1.00	.6124	1.6330	1.2200	.3709	1.3044	1.3633	16.9120	48.0705	2.4163	.9336	1.3122
2.0	1.6330	1.1227	1.00	.6124	1.6330	1.2500	.3596	1.3466	1.4013	16.0504	46.8027	2.3134	.9425	1.2925
2.0	1.6330	1.1227	1.00	.6124	1.6330	1.2800	.3464	1.3897	1.4397	15.1438	45.5384	2.2105	.9511	1.2725
2.0	1.6330	1.1227	1.00	.6124	1.6330	1.3100	.3313	1.4337	1.4789	14.1914	44.2752	2.1076	.9591	1.2522
2.0	1.6330	1.1227	1.00	.6124	1.6330	1.3400	.3141	1.4787	1.5188	13.1914	43.0105	2.0048	.9666	1.2317
2.0	1.6330	1.1227	1.00	.6124	1.6330	1.3700	.2947	1.5248	1.5597	12.1415	41.7420	1.9019	.9735	1.2109
2.0	1.6330	1.1227	1.00	.6124	1.6330	1.4000	.2731	1.5721	1.6017	11.0389	40.4670	1.7990	.9797	1.1896
2.0	1.6330	1.1227	1.00	.6124	1.6330	1.4300	.2490	1.6206	1.6450	9.8794	39.1829	1.6961	.9852	1.1679
2.0	1.6330	1.1227	1.00	.6124	1.6330	1.4600	.2223	1.6706	1.6898	8.6583	37.8868	1.5932	.9898	1.1457
2.0	1.6330	1.1227	1.00	.6124	1.6330	1.4900	.1927	1.7222	1.7365	7.3695	36.5757	1.4904	.9936	1.1228
2.0	1.6330	1.1227	1.00	.6124	1.6330	1.5200	.1599	1.7756	1.7854	6.0055	35.2461	1.3875	.9964	1.0992
2.0	1.6330	1.1227	1.00	.6124	1.6330	1.5500	.1235	1.8312	1.8370	4.5568	33.8943	1.2846	.9984	1.0747
2.0	1.6330	1.1227	1.00	.6124	1.6330	1.5800	.0831	1.8894	1.8920	3.0118	32.5159	1.1817	.9995	1.0490
2.0	1.6330	1.1227	1.00	.6124	1.6330	1.6100	.0381	1.9506	1.9511	1.3559	31.1058	1.0789	1.0000	1.0219
2.0	1.6330	1.1227	1.04	.6729	1.4861	.6800	.0647	.6464	.6493	5.4348	85.9831	4.1748	.7083	1.7955
2.0	1.6330	1.1227	1.04	.6729	1.4861	.7100	.1444	.6785	.6924	11.4985	80.7953	4.0678	.7163	1.7765
2.0	1.6330	1.1227	1.04	.6729	1.4861	.7400	.1895	.7110	.7339	14.3642	77.5910	3.9608	.7242	1.7575
2.0	1.6330	1.1227	1.04	.6729	1.4861	.7700	.2222	.7438	.7742	16.0941	75.0372	3.8538	.7320	1.7385
2.0	1.6330	1.1227	1.04	.6729	1.4861	.8000	.2474	.7771	.8134	17.1843	72.8416	3.7468	.7398	1.7194
2.0	1.6330	1.1227	1.04	.6729	1.4861	.8300	.2674	.8108	.8518	17.8550	70.8813	3.6398	.7475	1.7002
2.0	1.6330	1.1227	1.04	.6729	1.4861	.8600	.2832	.8449	.8895	18.2268	69.0911	3.5328	.7551	1.6809
2.0	1.6330	1.1227	1.04	.6729	1.4861	.8900	.2956	.8795	.9267	18.3739	67.4319	3.4259	.7625	1.6615
2.0	1.6330	1.1227	1.04	.6729	1.4861	.9200	.3051	.9145	.9634	18.3450	65.8783	3.3189	.7698	1.6420
2.0	1.6330	1.1227	1.04	.6729	1.4861	.9500	.3119	.9500	.9999	18.1736	64.4131	3.2119	.7769	1.6225
2.0	1.6330	1.1227	1.04	.6729	1.4861	.9800	.3162	.9860	1.0360	17.8838	63.0244	3.1049	.7838	1.6028
2.0	1.6330	1.1227	1.04	.6729	1.4861	1.0100	.3183	1.0225	1.0721	17.4931	61.7042	2.9979	.7904	1.5830
2.0	1.6330	1.1227	1.04	.6729	1.4861	1.0400	.3182	1.0596	1.1081	17.0142	60.4472	2.8909	.7968	1.5631
2.0	1.6330	1.1227	1.04	.6729	1.4861	1.0700	.3161	1.0972	1.1441	16.4568	59.2507	2.7839	.8029	1.5430
2.0	1.6330	1.1227	1.04	.6729	1.4861	1.1000	.3118	1.1354	1.1802	15.8278	58.1144	2.6769	.8086	1.5227
2.0	1.6330	1.1227	1.04	.6729	1.4861	1.1300	.3056	1.1743	1.2165	15.1324	57.0403	2.5699	.8139	1.5023
2.0	1.6330	1.1227	1.04	.6729	1.4861	1.1600	.2973	1.2139	1.2531	14.3738	56.0336	2.4629	.8187	1.4816
2.0	1.6330	1.1227	1.04	.6729	1.4861	1.1900	.2869	1.2541	1.2901	13.5541	55.1029	2.3559	.8231	1.4607
2.0	1.6330	1.1227	1.04	.6729	1.4861	1.2200	.2744	1.2952	1.3275	12.6740	54.2625	2.2489	.8269	1.4395
2.0	1.6330	1.1227	1.04	.6729	1.4861	1.2500	.2596	1.3371	1.3656	11.7329	53.5341	2.1419	.8302	1.4180
2.0	1.6330	1.1227	1.04	.6729	1.4861	1.2800	.2425	1.3798	1.4044	10.7290	52.9517	2.0349	.8327	1.3962
2.0	1.6330	1.1227	1.04	.6729	1.4861	1.3100	.2229	1.4235	1.4440	9.6585	52.5697	1.9279	.8346	1.3739
2.0	1.6330	1.1227	1.04	.6729	1.4861	1.3400	.2006	1.4683	1.4847	8.5158	52.4789	1.8209	.8357	1.3512
2.0	1.6330	1.1227	1.04	.6729	1.4861	1.3700	.1753	1.5143	1.5267	7.2913	52.8411	1.7140	.8359	1.3279
2.0	1.6330	1.1227	1.04	.6729	1.4861	1.4000	.1464	1.5616	1.5701	5.9687	53.9751	1.6070	.8353	1.3039
2.0	1.6330	1.1227	1.04	.6729	1.4861	1.4300	.1129	1.6104	1.6154	4.5135	56.6130	1.5000	.8337	1.2792
2.0	1.6330	1.1227	1.04	.6729	1.4861	1.4600	.0720	1.6610	1.6630	2.8214	63.0106	1.3930	.8312	1.2535
2.0	1.6330	1.1227	1.08	.7556	1.3234	.7600	.0417	.7299	.7310	3.1436	87.0550	3.7852	.6902	1.8968
2.0	1.6330	1.1227	1.08	.7556	1.3234	.7900	.1130	.7628	.7706	8.1410	81.7701	3.6741	.6955	1.8767
2.0	1.6330	1.1227	1.08	.7556	1.3234	.8200	.1492	.7961	.8091	10.3155	78.7650	3.5630	.7005	1.8564
2.0	1.6330	1.1227	1.08	.7556	1.3234	.8500	.1740	.8297	.8469	11.5695	76.4379	3.4519	.7053	1.8361
2.0	1.6330	1.1227	1.08	.7556	1.3234	.8800	.1919	.8638	.8841	12.2994	74.4898	3.3408	.7099	1.8157
2.0	1.6330	1.1227	1.08	.7556	1.3234	.9100	.2047	.8984	.9208	12.6775	72.8015	3.2297	.7142	1.7951
2.0	1.6330	1.1227	1.08	.7556	1.3234	.9400	.2135	.9334	.9572	12.7978	71.3143	3.1186	.7182	1.7744
2.0	1.6330	1.1227	1.08	.7556	1.3234	.9700	.2189	.9689	.9933	12.7174	69.9970	3.0075	.7219	1.7535
2.0	1.6330	1.1227	1.08	.7556	1.3234	1.0000	.2212	1.0049	1.0292	12.4738	68.8346	2.8964	.7252	1.7325
2.0	1.6330	1.1227	1.08	.7556	1.3234	1.0300	.2207	1.0415	1.0651	12.0921	67.8232	2.7853	.7282	1.7113
2.0	1.6330	1.1227	1.08	.7556	1.3234	1.0600	.2174	1.0786	1.1010	11.5893	66.9690	2.6742	.7307	1.6898
2.0	1.6330	1.1227	1.08	.7556	1.3234	1.0900	.2114	1.1163	1.1371	10.9766	66.2885	2.5630	.7327	1.6681
2.0	1.6330	1.1227	1.08	.7556	1.3234	1.1200	.2027	1.1546	1.1734	10.2602	65.8116	2.4519	.7342	1.6462
2.0	1.6330	1.1227	1.08	.7556	1.3234	1.1500	.1912	1.1937	1.2101	9.4419	65.5873	2.3408	.7351	1.6240
2.0	1.6330	1.1227	1.08	.7556	1.3234	1.1800	.1767	1.2334	1.2472	8.5182	65.6957	2.2297	.7354	1.6014
2.0	1.6330	1.1227	1.08	.7556	1.3234	1.2100	.1588	1.2739	1.2849	7.4784	66.2715	2.1186	.7350	1.5784
2.0	1.6330	1.1227	1.08	.7556	1.3234	1.2400	.1368	1.3153	1.3233	6.2977	67.5595	2.0075	.7339	1.5549
2.0	1.6330	1.1227	1.08	.7556	1.3234	1.2700	.1093	1.3577	1.3627	4.9179	70.0680	1.8964	.7320	1.5310
2.0	1.6330	1.1227	1.08	.7556	1.3234	1.3000	.0716	1.4010	1.4032	3.1540	75.2118	1.7853	.7293	1.5064
2.0	1.6330	1.1227	1.12	.9331	1.0717	.9400	.0239	.9293	.9296	1.4541	87.7340	2.9896	.6676	1.9252
2.0	1.6330	1.1227	1.12	.9331	1.0717	.9700	.0481	.9645	.9657	2.8363	85.2061	2.8744	.6684	1.9030
2.0	1.6330	1.1227	1.12	.9331	1.0717	1.0000	.0537	1.0003	1.0017	3.0721	84.3556	2.7592	.6689	1.8805
2.0	1.6330	1.1227	1.12	.9331	1.0717	1.0300	.0486	1.0366	1.0377	2.7002	84.5910	2.6440	.6688	1.8578
2.0	1.6330	1.1227	1.12	.9331	1.0717	1.0600	.0290	1.0734	1.0738	1.5647	86.5697	2.5288	.6682	1.8348

LOOP BRANCH (M1 FROM 1 TO 5)

GAMMA = 1.4

M1	M1*	DELMAX	DEL	XMIN	XMAX	X(M2U*)	Y(M2V*)	M2U	M2	THETA	SIGMA	PR21	PTR21	TR21
2.5	1.8257	1.1867	1.00	.5477	1.8257	.5500	.0494	.5153	.5174	5.1319	87.7827	7.1141	.4998	2.1356
2.5	1.8257	1.1867	1.00	.5477	1.8257	.5800	.1834	.5466	.5733	17.5475	81.6249	6.9703	.5098	2.1112
2.5	1.8257	1.1867	1.00	.5477	1.8257	.6100	.2512	.5782	.6253	22.3789	78.3274	6.8265	.5200	2.0868
2.5	1.8257	1.1867	1.00	.5477	1.8257	.6400	.3013	.6102	.6745	25.2100	75.7429	6.6828	.5305	2.0624
2.5	1.8257	1.1867	1.00	.5477	1.8257	.6700	.3417	.6427	.7214	27.0191	73.5312	6.5390	.5412	2.0379
2.5	1.8257	1.1867	1.00	.5477	1.8257	.7000	.3754	.6755	.7665	28.2058	71.5568	6.3952	.5522	2.0134
2.5	1.8257	1.1867	1.00	.5477	1.8257	.7300	.4043	.7088	.8102	28.9766	69.7493	6.2514	.5634	1.9889
2.5	1.8257	1.1867	1.00	.5477	1.8257	.7600	.4291	.7425	.8527	29.4520	68.0667	6.1076	.5749	1.9643
2.5	1.8257	1.1867	1.00	.5477	1.8257	.7900	.4508	.7767	.8942	29.7082	66.4812	5.9639	.5867	1.9398
2.5	1.8257	1.1867	1.00	.5477	1.8257	.8200	.4695	.8114	.9350	29.7964	64.9736	5.8201	.5987	1.9152
2.5	1.8257	1.1867	1.00	.5477	1.8257	.8500	.4859	.8465	.9750	29.7519	63.5298	5.6763	.6110	1.8905
2.5	1.8257	1.1867	1.00	.5477	1.8257	.8800	.4999	.8821	1.0146	29.6005	62.1391	5.5325	.6235	1.8659
2.5	1.8257	1.1867	1.00	.5477	1.8257	.9100	.5119	.9183	1.0537	29.3609	60.7929	5.3888	.6363	1.8412
2.5	1.8257	1.1867	1.00	.5477	1.8257	.9400	.5221	.9550	1.0924	29.0472	59.4846	5.2450	.6493	1.8164
2.5	1.8257	1.1867	1.00	.5477	1.8257	.9700	.5304	.9923	1.1310	28.6703	58.2086	5.1012	.6626	1.7917
2.5	1.8257	1.1867	1.00	.5477	1.8257	1.0000	.5371	1.0302	1.1693	28.2385	56.9602	4.9574	.6762	1.7668
2.5	1.8257	1.1867	1.00	.5477	1.8257	1.0300	.5421	1.0686	1.2076	27.7582	55.7355	4.8137	.6900	1.7420
2.5	1.8257	1.1867	1.00	.5477	1.8257	1.0600	.5456	1.1077	1.2458	27.2345	54.5311	4.6699	.7040	1.7170
2.5	1.8257	1.1867	1.00	.5477	1.8257	1.0900	.5475	1.1474	1.2840	26.6713	53.3440	4.5261	.7183	1.6920
2.5	1.8257	1.1867	1.00	.5477	1.8257	1.1200	.5480	1.1878	1.3224	26.0716	52.1714	4.3823	.7327	1.6670
2.5	1.8257	1.1867	1.00	.5477	1.8257	1.1500	.5470	1.2289	1.3609	25.4378	51.0110	4.2385	.7474	1.6419
2.5	1.8257	1.1867	1.00	.5477	1.8257	1.1800	.5445	1.2708	1.3996	24.7716	49.8605	4.0948	.7622	1.6167
2.5	1.8257	1.1867	1.00	.5477	1.8257	1.2100	.5406	1.3134	1.4385	24.0741	48.7179	3.9510	.7772	1.5914
2.5	1.8257	1.1867	1.00	.5477	1.8257	1.2400	.5352	1.3568	1.4778	23.3460	47.5812	3.8072	.7922	1.5660
2.5	1.8257	1.1867	1.00	.5477	1.8257	1.2700	.5283	1.4011	1.5175	22.5877	46.4485	3.6634	.8074	1.5405
2.5	1.8257	1.1867	1.00	.5477	1.8257	1.3000	.5199	1.4463	1.5577	21.7990	45.3182	3.5197	.8226	1.5149
2.5	1.8257	1.1867	1.00	.5477	1.8257	1.3300	.5100	1.4924	1.5984	20.9794	44.1883	3.3759	.8378	1.4891
2.5	1.8257	1.1867	1.00	.5477	1.8257	1.3600	.4984	1.5395	1.6397	20.1282	43.0572	3.2321	.8529	1.4632
2.5	1.8257	1.1867	1.00	.5477	1.8257	1.3900	.4853	1.5877	1.6816	19.2442	41.9230	3.0883	.8679	1.4372
2.5	1.8257	1.1867	1.00	.5477	1.8257	1.4200	.4703	1.6370	1.7244	18.3256	40.7839	2.9445	.8826	1.4109
2.5	1.8257	1.1867	1.00	.5477	1.8257	1.4500	.4536	1.6875	1.7681	17.3704	39.6381	2.8008	.8971	1.3844
2.5	1.8257	1.1867	1.00	.5477	1.8257	1.4800	.4349	1.7393	1.8128	16.3760	38.4836	2.6570	.9112	1.3577
2.5	1.8257	1.1867	1.00	.5477	1.8257	1.5100	.4142	1.7925	1.8587	15.3392	37.3181	2.5132	.9248	1.3306
2.5	1.8257	1.1867	1.00	.5477	1.8257	1.5400	.3913	1.8472	1.9059	14.2561	36.1395	2.3694	.9377	1.3032
2.5	1.8257	1.1867	1.00	.5477	1.8257	1.5700	.3660	1.9036	1.9546	13.1219	34.9452	2.2257	.9499	1.2754
2.5	1.8257	1.1867	1.00	.5477	1.8257	1.6000	.3381	1.9618	2.0052	11.9309	33.7323	2.0819	.9611	1.2471
2.5	1.8257	1.1867	1.00	.5477	1.8257	1.6300	.3073	2.0222	2.0578	10.6759	32.4977	1.9381	.9712	1.2183
2.5	1.8257	1.1867	1.00	.5477	1.8257	1.6600	.2733	2.0849	2.1129	9.3481	31.2378	1.7943	.9800	1.1886
2.5	1.8257	1.1867	1.00	.5477	1.8257	1.6900	.2356	2.1503	2.1711	7.9364	29.9483	1.6506	.9873	1.1581
2.5	1.8257	1.1867	1.00	.5477	1.8257	1.7200	.1937	2.2190	2.2330	6.4270	28.6242	1.5068	.9930	1.1265
2.5	1.8257	1.1867	1.00	.5477	1.8257	1.7500	.1470	2.2916	2.2997	4.8017	27.2594	1.3630	.9970	1.0935
2.5	1.8257	1.1867	1.00	.5477	1.8257	1.7800	.0944	2.3690	2.3724	3.0366	25.8467	1.2192	.9992	1.0585
2.5	1.8257	1.1867	1.00	.5477	1.8257	1.8100	.0347	2.4528	2.4533	1.0996	24.3765	1.0754	1.0000	1.0210
2.5	1.8257	1.1867	1.04	.5915	1.6907	.6000	.0880	.5653	.5714	8.3411	85.7732	6.7594	.4936	2.2844
2.5	1.8257	1.1867	1.04	.5915	1.6907	.6300	.1839	.5969	.6219	16.2764	80.9917	6.6099	.5021	2.2589
2.5	1.8257	1.1867	1.04	.5915	1.6907	.6600	.2413	.6289	.6696	20.0789	77.9515	6.4604	.5107	2.2333
2.5	1.8257	1.1867	1.04	.5915	1.6907	.6900	.2843	.6613	.7153	22.3952	75.5110	6.3109	.5194	2.2077
2.5	1.8257	1.1867	1.04	.5915	1.6907	.7200	.3190	.6941	.7592	23.8964	73.4030	6.1613	.5283	2.1821
2.5	1.8257	1.1867	1.04	.5915	1.6907	.7500	.3478	.7273	.8017	24.8794	71.5131	6.0118	.5373	2.1564
2.5	1.8257	1.1867	1.04	.5915	1.6907	.7800	.3721	.7610	.8431	25.5047	69.7798	5.8623	.5464	2.1307
2.5	1.8257	1.1867	1.04	.5915	1.6907	.8100	.3928	.7951	.8836	25.8691	68.1653	5.7127	.5556	2.1049
2.5	1.8257	1.1867	1.04	.5915	1.6907	.8400	.4103	.8296	.9233	26.0356	66.6450	5.5632	.5649	2.0791
2.5	1.8257	1.1867	1.04	.5915	1.6907	.8700	.4252	.8646	.9624	26.0469	65.2012	5.4137	.5743	2.0533
2.5	1.8257	1.1867	1.04	.5915	1.6907	.9000	.4377	.9001	1.0009	25.9334	63.8213	5.2642	.5838	2.0274
2.5	1.8257	1.1867	1.04	.5915	1.6907	.9300	.4479	.9362	1.0391	25.7173	62.4955	5.1146	.5934	2.0014
2.5	1.8257	1.1867	1.04	.5915	1.6907	.9600	.4561	.9727	1.0769	25.4148	61.2164	4.9651	.6031	1.9754
2.5	1.8257	1.1867	1.04	.5915	1.6907	.9900	.4625	1.0098	1.1145	25.0385	59.9781	4.8156	.6128	1.9493
2.5	1.8257	1.1867	1.04	.5915	1.6907	1.0200	.4669	1.0474	1.1520	24.5976	58.7761	4.6660	.6225	1.9232
2.5	1.8257	1.1867	1.04	.5915	1.6907	1.0500	.4697	1.0857	1.1893	24.0996	57.6067	4.5165	.6322	1.8970
2.5	1.8257	1.1867	1.04	.5915	1.6907	1.0800	.4707	1.1245	1.2267	23.5500	56.4670	4.3670	.6419	1.8706
2.5	1.8257	1.1867	1.04	.5915	1.6907	1.1100	.4701	1.1640	1.2641	22.9530	55.3548	4.2175	.6515	1.8442
2.5	1.8257	1.1867	1.04	.5915	1.6907	1.1400	.4678	1.2041	1.3016	22.3117	54.2686	4.0679	.6611	1.8177
2.5	1.8257	1.1867	1.04	.5915	1.6907	1.1700	.4639	1.2450	1.3393	21.6286	53.2073	3.9184	.6706	1.7911
2.5	1.8257	1.1867	1.04	.5915	1.6907	1.2000	.4584	1.2865	1.3772	20.9051	52.1708	3.7689	.6799	1.7643
2.5	1.8257	1.1867	1.04	.5915	1.6907	1.2300	.4511	1.3289	1.4154	20.1420	51.1593	3.6193	.6890	1.7374
2.5	1.8257	1.1867	1.04	.5915	1.6907	1.2600	.4422	1.3720	1.4541	19.3397	50.1740	3.4698	.6978	1.7103
2.5	1.8257	1.1867	1.04	.5915	1.6907	1.2900	.4316	1.4160	1.4932	18.4979	49.2172	3.3203	.7064	1.6831
2.5	1.8257	1.1867	1.04	.5915	1.6907	1.3200	.4191	1.4609	1.5328	17.6156	48.2924	3.1708	.7145	1.6556
2.5	1.8257	1.1867	1.04	.5915	1.6907	1.3500	.4048	1.5068	1.5731	16.6913	47.4049	3.0212	.7223	1.6279
2.5	1.8257	1.1867	1.04	.5915	1.6907	1.3800	.3885	1.5537	1.6141	15.7229	46.5628	2.8717	.7294	1.6000
2.5	1.8257	1.1867	1.04	.5915	1.6907	1.4100	.3701	1.6017	1.6559	14.7075	45.7775	2.7222	.7360	1.5717
2.5	1.8257	1.1867	1.04	.5915	1.6907	1.4400	.3495	1.6509	1.6988	13.6414	45.0666	2.5726	.7419	1.5430
2.5	1.8257	1.1867	1.04	.5915	1.6907	1.4700	.3264	1.7014	1.7428	12.5197	44.4566	2.4231	.7469	1.5139
2.5	1.8257	1.1867	1.04	.5915	1.6907	1.5000	.3007	1.7533	1.7882	11.3362	43.9893	2.2736	.7509	1.4843
2.5	1.8257	1.1867	1.04	.5915	1.6907	1.5300	.2721	1.8069	1.8352	10.0825	43.7339	2.1241	.7539	1.4541
2.5	1.8257	1.1867	1.04	.5915	1.6907	1.5600	.2400	1.8622	1.8841	8.7475	43.8123	1.9745	.7556	1.4232
2.5	1.8257	1.1867	1.04	.5915	1.6907	1.5900	.2041	1.9196	1.9354	7.3146	44.4603	1.8250	.7560	1.3913
2.5	1.8257	1.1867	1.04	.5915	1.6907	1.6200	.1633	1.9795	1.9895	5.7562	46.1996	1.6755	.7548	1.3583
2.5	1.8257	1.1867	1.04	.5915	1.6907	1.6500	.1157	2.0421	2.0472	4.0116	50.4825	1.5259	.7521	1.3239
2.5	1.8257	1.1867	1.04	.5915	1.6907	1.6800	.0533	2.1083	2.1094	1.8181	64.1948	1.3764	.7476	1.2877

2.5	1.8257	1.1867	1.08	.6434	1.5543	.6500	.0701	6157	.6193	6.1530	86.3774	6.3856	.4841	2.4375
2.5	1.8257	1.1867	1.08	.6434	1.5543	.6800	.1618	6477	.6658	13.3811	81.4569	6.2303	.4909	2.4107
2.5	1.8257	1.1867	1.08	.6434	1.5543	.7100	.2138	6800	.7102	16.7605	78.4554	6.0751	.4977	2.3839
2.5	1.8257	1.1867	1.08	.6434	1.5543	.7400	.2522	7128	.7531	18.8169	76.0723	5.9198	.5046	2.3571
2.5	1.8257	1.1867	1.08	.6434	1.5543	.7700	.2824	7460	.7946	20.1420	74.0293	5.7645	.5115	2.3302
2.5	1.8257	1.1867	1.08	.6434	1.5543	.8000	.3070	7796	.8350	20.9957	72.2098	5.6092	.5184	2.3032
2.5	1.8257	1.1867	1.08	.6434	1.5543	.8300	.3273	8136	.8745	21.5187	70.5520	5.4539	.5253	2.2762
2.5	1.8257	1.1867	1.08	.6434	1.5543	.8600	.3439	8480	.9133	21.7967	69.0189	5.2987	.5322	2.2492
2.5	1.8257	1.1867	1.08	.6434	1.5543	.8900	.3575	8830	.9515	21.8857	67.5864	5.1434	.5390	2.2220
2.5	1.8257	1.1867	1.08	.6434	1.5543	.9200	.3684	9184	.9893	21.8239	66.2380	4.9881	.5458	2.1948
2.5	1.8257	1.1867	1.08	.6434	1.5543	.9500	.3769	9543	1.0266	21.6388	64.9622	4.8328	.5525	2.1675
2.5	1.8257	1.1867	1.08	.6434	1.5543	.9800	.3831	9907	1.0637	21.3501	63.7507	4.6775	.5590	2.1401
2.5	1.8257	1.1867	1.08	.6434	1.5543	1.0100	.3871	1 0276	1.1005	20.9726	62.5981	4.5223	.5655	2.1126
2.5	1.8257	1.1867	1.08	.6434	1.5543	1.0400	.3892	1 0651	1.1373	20.5172	61.5005	4.3670	.5718	2.0851
2.5	1.8257	1.1867	1.08	.6434	1.5543	1.0700	.3893	1 1032	1.1739	19.9921	60.4560	4.2117	.5779	2.0573
2.5	1.8257	1.1867	1.08	.6434	1.5543	1.1000	.3874	1 1419	1.2107	19.4036	59.4643	4.0564	.5838	2.0295
2.5	1.8257	1.1867	1.08	.6434	1.5543	1.1300	.3837	1 1812	1.2475	18.7560	58.5267	3.9011	.5894	2.0015
2.5	1.8257	1.1867	1.08	.6434	1.5543	1.1600	.3781	1 2212	1.2844	18.0523	57.6463	3.7459	.5947	1.9733
2.5	1.8257	1.1867	1.08	.6434	1.5543	1.1900	.3705	1 2619	1.3216	17.2944	56.8285	3.5906	.5997	1.9450
2.5	1.8257	1.1867	1.08	.6434	1.5543	1.2200	.3610	1 3033	1.3592	16.4829	56.0813	3.4353	.6043	1.9164
2.5	1.8257	1.1867	1.08	.6434	1.5543	1.2500	.3494	1 3455	1.3971	15.6175	55.4165	3.2800	.6084	1.8876
2.5	1.8257	1.1867	1.08	.6434	1.5543	1.2800	.3357	1 3885	1.4355	14.6966	54.8514	3.1247	.6120	1.8585
2.5	1.8257	1.1867	1.08	.6434	1.5543	1.3100	.3198	1 4325	1.4745	13.7176	54.4104	2.9695	.6150	1.8291
2.5	1.8257	1.1867	1.08	.6434	1.5543	1.3400	.3014	1 4773	1.5142	12.6761	54.1302	2.8142	.6173	1.7993
2.5	1.8257	1.1867	1.08	.6434	1.5543	1.3700	.2804	1 5233	1.5548	11.5656	54.0658	2.6589	.6188	1.7691
2.5	1.8257	1.1867	1.08	.6434	1.5543	1.4000	.2564	1 5703	1.5964	10.3767	54.3044	2.5036	.6195	1.7383
2.5	1.8257	1.1867	1.08	.6434	1.5543	1.4300	.2289	1 6186	1.6392	9.0947	54.9916	2.3484	.6193	1.7070
2.5	1.8257	1.1867	1.08	.6434	1.5543	1.4600	.1973	1 6683	1.6834	7.6951	56.3912	2.1931	.6179	1.6750
2.5	1.8257	1.1867	1.08	.6434	1.5543	1.4900	.1600	1 7195	1.7294	6.1304	59.0456	2.0378	.6155	1.6421
2.5	1.8257	1.1867	1.08	.6434	1.5543	1.5200	.1137	1 7726	1.7775	4.2789	64.3489	1.8825	.6117	1.6082
2.5	1.8257	1.1867	1.08	.6434	1.5543	1.5500	.0385	1 8277	1.8283	1.4230	79.4540	1.7272	.6065	1.5729
2.5	1.8257	1.1867	1.12	.7093	1.4099	.7100	.0202	6772	.6775	1.6337	88.8573	5.9389	.4727	2.5851
2.5	1.8257	1.1867	1.12	.7093	1.4099	.7400	.1286	7097	.7204	9.8600	82.5619	5.7779	.4778	2.5570
2.5	1.8257	1.1867	1.12	.7093	1.4099	.7700	.1761	7426	.7618	12.8835	79.5527	5.6169	.4828	2.5289
2.5	1.8257	1.1867	1.12	.7093	1.4099	.8000	.2094	7758	.8020	14.6684	77.2464	5.4559	.4877	2.5007
2.5	1.8257	1.1867	1.12	.7093	1.4099	.8300	.2346	8095	.8413	15.7850	75.3126	5.2948	.4925	2.4724
2.5	1.8257	1.1867	1.12	.7093	1.4099	.8600	.2542	8436	.8797	16.4693	73.6238	5.1338	.4972	2.4441
2.5	1.8257	1.1867	1.12	.7093	1.4099	.8900	.2695	8782	.9176	16.8466	72.1158	4.9728	.5018	2.4156
2.5	1.8257	1.1867	1.12	.7093	1.4099	.9200	.2811	9132	.9549	16.9925	70.7523	4.8117	.5062	2.3871
2.5	1.8257	1.1867	1.12	.7093	1.4099	.9500	.2896	9487	.9918	16.9561	69.5113	4.6507	.5104	2.3584
2.5	1.8257	1.1867	1.12	.7093	1.4099	.9800	.2953	9847	1.0284	16.7707	68.3800	4.4897	.5143	2.3296
2.5	1.8257	1.1867	1.12	.7093	1.4099	1.0100	.2984	1 0212	1.0648	16.4599	67.3514	4.3286	.5181	2.3007
2.5	1.8257	1.1867	1.12	.7093	1.4099	1.0400	.2990	1 0583	1.1011	16.0401	66.4237	4.1676	.5215	2.2716
2.5	1.8257	1.1867	1.12	.7093	1.4099	1.0700	.2972	1 0959	1.1374	15.5232	65.5994	4.0066	.5247	2.2423
2.5	1.8257	1.1867	1.12	.7093	1.4099	1.1000	.2930	1 1341	1.1736	14.9172	64.8855	3.8456	.5274	2.2128
2.5	1.8257	1.1867	1.12	.7093	1.4099	1.1300	.2865	1 1729	1.2100	14.2271	64.2946	3.6845	.5298	2.1831
2.5	1.8257	1.1867	1.12	.7093	1.4099	1.1600	.2775	1 2124	1.2466	13.4550	63.8463	3.5235	.5317	2.1532
2.5	1.8257	1.1867	1.12	.7093	1.4099	1.1900	.2660	1 2525	1.2835	12.6006	63.5697	3.3625	.5332	2.1230
2.5	1.8257	1.1867	1.12	.7093	1.4099	1.2200	.2518	1 2935	1.3207	11.6604	63.5087	3.2014	.5341	2.0924
2.5	1.8257	1.1867	1.12	.7093	1.4099	1.2500	.2345	1 3352	1.3585	10.6266	63.7300	3.0404	.5343	2.0615
2.5	1.8257	1.1867	1.12	.7093	1.4099	1.2800	.2139	1 3777	1.3968	9.4854	64.3396	2.8794	.5339	2.0302
2.5	1.8257	1.1867	1.12	.7093	1.4099	1.3100	.1891	1 4212	1.4359	8.2118	65.5173	2.7183	.5327	1.9983
2.5	1.8257	1.1867	1.12	.7093	1.4099	1.3400	.1587	1 4657	1.4759	6.7563	67.6006	2.5573	.5307	1.9659
2.5	1.8257	1.1867	1.12	.7093	1.4099	1.3700	.1198	1 5113	1.5171	4.9986	71.3565	2.3963	.5278	1.9328
2.5	1.8257	1.1867	1.12	.7093	1.4099	1.4000	.0593	1 5582	1.5596	2.4242	79.6699	2.2352	.5238	1.8988
2.5	1.8257	1.1867	1.16	.8071	1.2390	.8100	.0311	7836	.7842	2.1988	87.9878	5.2469	.4609	2.6960
2.5	1.8257	1.1867	1.16	.8071	1.2390	.8400	.1010	8171	.8230	6.8556	83.2648	5.0801	.4638	2.6664
2.5	1.8257	1.1867	1.16	.8071	1.2390	.8700	.1337	8510	.8610	8.7355	80.7977	4.9133	.4666	2.6367
2.5	1.8257	1.1867	1.16	.8071	1.2390	.9000	.1549	8854	.8984	9.7679	78.9740	4.7466	.4691	2.6068
2.5	1.8257	1.1867	1.16	.8071	1.2390	.9300	.1692	9203	.9354	10.3120	77.5301	4.5798	.4713	2.5767
2.5	1.8257	1.1867	1.16	.8071	1.2390	.9600	.1783	9556	.9719	10.5202	76.3689	4.4130	.4733	2.5465
2.5	1.8257	1.1867	1.16	.8071	1.2390	.9900	.1830	9913	1.0081	10.4733	75.4511	4.2462	.4749	2.5161
2.5	1.8257	1.1867	1.16	.8071	1.2390	1.0200	.1839	1 0277	1.0442	10.2181	74.7665	4.0794	.4762	2.4856
2.5	1.8257	1.1867	1.16	.8071	1.2390	1.0500	.1810	1 0645	1.0802	9.7817	74.3267	3.9126	.4772	2.4547
2.5	1.8257	1.1867	1.16	.8071	1.2390	1.0800	.1745	1 1019	1.1162	9.1771	74.1650	3.7459	.4776	2.4237
2.5	1.8257	1.1867	1.16	.8071	1.2390	1.1100	.1640	1 1399	1.1523	8.4042	74.3442	3.5791	.4777	2.3923
2.5	1.8257	1.1867	1.16	.8071	1.2390	1.1400	.1490	1 1786	1.1886	7.4470	74.9754	3.4123	.4772	2.3606
2.5	1.8257	1.1867	1.16	.8071	1.2390	1.1700	.1283	1 2179	1.2252	6.2595	76.2680	3.2455	.4761	2.3285
2.5	1.8257	1.1867	1.16	.8071	1.2390	1.2000	.0990	1 2579	1.2622	4.7172	78.6914	3.0787	.4744	2.2960
2.5	1.8257	1.1867	1.16	.8071	1.2390	1.2300	.0485	1 2987	1.2997	2.2590	84.0451	2.9120	.4721	2.2630

LOOP BRANCH (M1 FROM 1 TO 5)

GAMMA = 1.4

M1	M1*	DELMAX	DEL	XMIN	XMAX	X(M2U*)	Y(M2V*)	2U	M2	THETA	SIGMA	PR21	PTR21	TR21
3.0	1.9640	1.2366	1.00	.5092	1.9640	.5100	.0327	4760	.4770	3.6631	88.7136	10.3280	.3286	2.6781
3.0	1.9640	1.2366	1.00	.5092	1.9640	.5400	.1973	5071	.5399	20.0698	82.1120	10.1356	.3365	2.6458
3.0	1.9640	1.2366	1.00	.5092	1.9640	.5700	.2739	5386	.5975	25.6628	78.8849	9.9431	.3446	2.6134
3.0	1.9640	1.2366	1.00	.5092	1.9640	.6000	.3306	5705	.6514	28.8561	76.3746	9.7506	.3530	2.5810
3.0	1.9640	1.2366	1.00	.5092	1.9640	.6300	.3766	6028	.7023	30.8711	74.2341	9.5582	.3617	2.5486
3.0	1.9640	1.2366	1.00	.5092	1.9640	.6600	.4155	6356	.7510	32.1892	72.3278	9.3657	.3706	2.5162
3.0	1.9640	1.2366	1.00	.5092	1.9640	.6900	.4490	6688	.7979	33.0523	70.5859	9.1732	.3799	2.4837
3.0	1.9640	1.2366	1.00	.5092	1.9640	.7200	.4783	7025	.8434	33.5985	68.9668	8.9808	.3894	2.4513
3.0	1.9640	1.2366	1.00	.5092	1.9640	.7500	.5042	7366	.8876	33.9141	67.4434	8.7883	.3993	2.4188
3.0	1.9640	1.2366	1.00	.5092	1.9640	.7800	.5272	7713	.9309	34.0554	65.9968	8.5958	.4095	2.3864
3.0	1.9640	1.2366	1.00	.5092	1.9640	.8100	.5476	8065	.9735	34.0614	64.6132	8.4034	.4200	2.3539
3.0	1.9640	1.2366	1.00	.5092	1.9640	.8400	.5657	8422	1.0154	33.9599	63.2822	8.2109	.4308	2.3214
3.0	1.9640	1.2366	1.00	.5092	1.9640	.8700	.5818	8784	1.0567	33.7711	61.9956	8.0184	.4420	2.2888
3.0	1.9640	1.2366	1.00	.5092	1.9640	.9000	.5959	9152	1.0977	33.5101	60.7468	7.8260	.4536	2.2563
3.0	1.9640	1.2366	1.00	.5092	1.9640	.9300	.6083	9527	1.1383	33.1884	59.5306	7.6335	.4655	2.2237
3.0	1.9640	1.2366	1.00	.5092	1.9640	.9600	.6190	9907	1.1788	32.8150	58.3424	7.4410	.4779	2.1911
3.0	1.9640	1.2366	1.00	.5092	1.9640	.9900	.6282	1 0293	1.2191	32.3966	57.1786	7.2486	.4906	2.1585
3.0	1.9640	1.2366	1.00	.5092	1.9640	1.0200	.6359	1 0686	1.2593	31.9389	56.0357	7.0561	.5038	2.1258
3.0	1.9640	1.2366	1.00	.5092	1.9640	1.0500	.6421	1 1086	1.2995	31.4460	54.9111	6.8636	.5173	2.0931
3.0	1.9640	1.2366	1.00	.5092	1.9640	1.0800	.6469	1 1493	1.3397	30.9213	53.8021	6.6711	.5314	2.0604
3.0	1.9640	1.2366	1.00	.5092	1.9640	1.1100	.6504	1 1907	1.3801	30.3675	52.7067	6.4787	.5458	2.0276
3.0	1.9640	1.2366	1.00	.5092	1.9640	1.1400	.6525	1 2329	1.4206	29.7868	51.6226	6.2862	.5607	1.9948
3.0	1.9640	1.2366	1.00	.5092	1.9640	1.1700	.6534	1 2759	1.4614	29.1806	50.5482	6.0937	.5761	1.9620
3.0	1.9640	1.2366	1.00	.5092	1.9640	1.2000	.6529	1 3198	1.5025	28.5503	49.4816	5.9013	.5919	1.9291
3.0	1.9640	1.2366	1.00	.5092	1.9640	1.2300	.6512	1 3645	1.5439	27.8966	48.4212	5.7088	.6082	1.8961
3.0	1.9640	1.2366	1.00	.5092	1.9640	1.2600	.6481	1 4101	1.5857	27.2200	47.3655	5.5163	.6249	1.8631
3.0	1.9640	1.2366	1.00	.5092	1.9640	1.2900	.6438	1 4566	1.6279	26.5209	46.3130	5.3239	.6421	1.8300
3.0	1.9640	1.2366	1.00	.5092	1.9640	1.3200	.6381	1 5042	1.6707	25.7993	45.2623	5.1314	.6598	1.7969
3.0	1.9640	1.2366	1.00	.5092	1.9640	1.3500	.6311	1 5528	1.7141	25.0548	44.2120	4.9389	.6780	1.7636
3.0	1.9640	1.2366	1.00	.5092	1.9640	1.3800	.6227	1 6025	1.7581	24.2869	43.1605	4.7465	.6965	1.7303
3.0	1.9640	1.2366	1.00	.5092	1.9640	1.4100	.6129	1 6534	1.8029	23.4950	42.1066	4.5540	.7155	1.6969
3.0	1.9640	1.2366	1.00	.5092	1.9640	1.4400	.6017	1 7055	1.8484	22.6779	41.0488	4.3615	.7348	1.6634
3.0	1.9640	1.2366	1.00	.5092	1.9640	1.4700	.5890	1 7589	1.8949	21.8344	39.9855	4.1691	.7545	1.6297
3.0	1.9640	1.2366	1.00	.5092	1.9640	1.5000	.5747	1 8138	1.9423	20.9629	38.9152	3.9766	.7745	1.5959
3.0	1.9640	1.2366	1.00	.5092	1.9640	1.5300	.5587	1 8701	1.9908	20.0614	37.8361	3.7841	.7947	1.5619
3.0	1.9640	1.2366	1.00	.5092	1.9640	1.5600	.5410	1 9279	2.0406	19.1275	36.7466	3.5917	.8150	1.5277
3.0	1.9640	1.2366	1.00	.5092	1.9640	1.5900	.5215	1 9875	2.0917	18.1583	35.6447	3.3992	.8353	1.4933
3.0	1.9640	1.2366	1.00	.5092	1.9640	1.6200	.4999	2 0489	2.1443	17.1505	34.5282	3.2067	.8555	1.4586
3.0	1.9640	1.2366	1.00	.5092	1.9640	1.6500	.4762	2 1124	2.1986	16.0998	33.3947	3.0143	.8755	1.4237
3.0	1.9640	1.2366	1.00	.5092	1.9640	1.6800	.4502	2 1780	2.2548	15.0013	32.2417	2.8218	.8950	1.3883
3.0	1.9640	1.2366	1.00	.5092	1.9640	1.7100	.4216	2 2460	2.3133	13.8488	31.0661	2.6293	.9139	1.3525
3.0	1.9640	1.2366	1.00	.5092	1.9640	1.7400	.3900	2 3168	2.3743	12.6346	29.8644	2.4368	.9317	1.3161
3.0	1.9640	1.2366	1.00	.5092	1.9640	1.7700	.3553	2 3906	2.4383	11.3494	28.6325	2.2444	.9483	1.2791
3.0	1.9640	1.2366	1.00	.5092	1.9640	1.8000	.3168	2 4680	2.5059	9.9812	27.3656	2.0519	.9633	1.2412
3.0	1.9640	1.2366	1.00	.5092	1.9640	1.8300	.2740	2 5495	2.5779	8.5143	26.0577	1.8594	.9762	1.2022
3.0	1.9640	1.2366	1.00	.5092	1.9640	1.8600	.2260	2 6361	2.6555	6.9282	24.7015	1.6670	.9866	1.1617
3.0	1.9640	1.2366	1.00	.5092	1.9640	1.8900	.1718	2 7289	2.7402	5.1950	23.2878	1.4745	.9941	1.1192
3.0	1.9640	1.2366	1.00	.5092	1.9640	1.9200	.1099	2 8299	2.8346	3.2755	21.8048	1.2820	.9984	1.0740
3.0	1.9640	1.2366	1.00	.5092	1.9640	1.9500	.0379	2 9424	2.9429	1.1126	20.2363	1.0896	.9999	1.0248
3.0	1.9640	1.2366	1.04	.5458	1.8322	.5500	.0692	5155	.5195	7.1674	87.1222	9.9303	.3250	2.8734
3.0	1.9640	1.2366	1.04	.5458	1.8322	.5800	.1944	5468	.5767	18.5312	81.7800	9.7301	.3319	2.8396
3.0	1.9640	1.2366	1.04	.5458	1.8322	.6100	.2628	5785	.6299	23.3046	78.7068	9.5299	.3389	2.8058
3.0	1.9640	1.2366	1.04	.5458	1.8322	.6400	.3139	6107	.6802	26.1261	76.2813	9.3298	.3462	2.7720
3.0	1.9640	1.2366	1.04	.5458	1.8322	.6700	.3553	6432	.7281	27.9383	74.2018	9.1296	.3536	2.7382
3.0	1.9640	1.2366	1.04	.5458	1.8322	.7000	.3901	6762	.7742	29.1333	72.3451	8.9294	.3613	2.7043
3.0	1.9640	1.2366	1.04	.5458	1.8322	.7300	.4200	7097	.8187	29.9152	70.6465	8.7293	.3691	2.6705
3.0	1.9640	1.2366	1.04	.5458	1.8322	.7600	.4460	7436	.8621	30.4037	69.0670	8.5291	.3771	2.6366
3.0	1.9640	1.2366	1.04	.5458	1.8322	.7900	.4686	7779	.9045	30.6745	67.5811	8.3289	.3854	2.6026
3.0	1.9640	1.2366	1.04	.5458	1.8322	.8200	.4884	8128	.9460	30.7785	66.1708	8.1288	.3938	2.5687
3.0	1.9640	1.2366	1.04	.5458	1.8322	.8500	.5057	8482	.9869	30.7510	64.8230	7.9286	.4024	2.5347
3.0	1.9640	1.2366	1.04	.5458	1.8322	.8800	.5208	8840	1.0273	30.6175	63.5279	7.7284	.4113	2.5007
3.0	1.9640	1.2366	1.04	.5458	1.8322	.9100	.5338	9205	1.0672	30.3967	62.2777	7.5283	.4203	2.4667
3.0	1.9640	1.2366	1.04	.5458	1.8322	.9400	.5450	9574	1.1067	30.1028	61.0663	7.3281	.4295	2.4326
3.0	1.9640	1.2366	1.04	.5458	1.8322	.9700	.5543	9950	1.1460	29.7466	59.8887	7.1279	.4390	2.3985
3.0	1.9640	1.2366	1.04	.5458	1.8322	1.0000	.5620	1 0332	1.1851	29.3363	58.7408	6.9278	.4486	2.3643
3.0	1.9640	1.2366	1.04	.5458	1.8322	1.0300	.5681	1 0719	1.2242	28.8784	57.6192	6.7276	.4584	2.3301
3.0	1.9640	1.2366	1.04	.5458	1.8322	1.0600	.5726	1 1114	1.2632	28.3781	56.5211	6.5274	.4685	2.2958
3.0	1.9640	1.2366	1.04	.5458	1.8322	1.0900	.5756	1 1515	1.3022	27.8392	55.4442	6.3273	.4787	2.2615
3.0	1.9640	1.2366	1.04	.5458	1.8322	1.1200	.5772	1 1922	1.3413	27.2649	54.3862	6.1271	.4891	2.2272
3.0	1.9640	1.2366	1.04	.5458	1.8322	1.1500	.5773	1 2338	1.3805	26.6574	53.3457	5.9269	.4996	2.1927
3.0	1.9640	1.2366	1.04	.5458	1.8322	1.1800	.5760	1 2760	1.4199	26.0185	52.3213	5.7268	.5103	2.1582
3.0	1.9640	1.2366	1.04	.5458	1.8322	1.2100	.5732	1 3191	1.4596	25.3494	51.3118	5.5266	.5211	2.1236
3.0	1.9640	1.2366	1.04	.5458	1.8322	1.2400	.5691	1 3630	1.4996	24.6509	50.3164	5.3264	.5320	2.0889
3.0	1.9640	1.2366	1.04	.5458	1.8322	1.2700	.5634	1 4077	1.5400	23.9235	49.3346	5.1263	.5430	2.0542
3.0	1.9640	1.2366	1.04	.5458	1.8322	1.3000	.5563	1 4533	1.5808	23.1669	48.3662	4.9261	.5541	2.0193
3.0	1.9640	1.2366	1.04	.5458	1.8322	1.3300	.5477	1 4999	1.6221	22.3810	47.4113	4.7259	.5651	1.9842
3.0	1.9640	1.2366	1.04	.5458	1.8322	1.3600	.5375	1 5476	1.6640	21.5649	46.4706	4.5258	.5761	1.9491
3.0	1.9640	1.2366	1.04	.5458	1.8322	1.3900	.5257	1 5962	1.7066	20.7175	45.5452	4.3256	.5871	1.9138
3.0	1.9640	1.2366	1.04	.5458	1.8322	1.4200	.5123	1 6460	1.7498	19.8372	44.6370	4.1254	.5978	1.8783
3.0	1.9640	1.2366	1.04	.5458	1.8322	1.4500	.4971	1 6970	1.7939	18.9222	43.7488	3.9253	.6083	1.8425
3.0	1.9640	1.2366	1.04	.5458	1.8322	1.4800	.4800	1 7493	1.8390	17.9698	42.8848	3.7251	.6185	1.8066
3.0	1.9640	1.2366	1.04	.5458	1.8322	1.5100	.4610	1 8029	1.8850	16.9770	42.0512	3.5249	.6283	1.7703
3.0	1.9640	1.2366	1.04	.5458	1.8322	1.5400	.4398	1 8580	1.9323	15.9399	41.2569	3.3248	.6376	1.7338
3.0	1.9640	1.2366	1.04	.5458	1.8322	1.5700	.4164	1 9147	1.9809	14.8537	40.5154	3.1246	.6461	1.6968
3.0	1.9640	1.2366	1.04	.5458	1.8322	1.6000	.3904	1 9732	2.0311	13.7126	39.8471	2.9244	.6538	1.6594
3.0	1.9640	1.2366	1.04	.5458	1.8322	1.6300	.3616	2 0336	2.0830	12.5091	39.2838	2.7243	.6605	1.6214
3.0	1.9640	1.2366	1.04	.5458	1.8322	1.6600	.3297	2 0962	2.1371	11.2334	38.8781	2.5241	.6659	1.5827
3.0	1.9640	1.2366	1.04	.5458	1.8322	1.6900	.2941	2 1612	2.1937	9.8729	38.7215	2.3239	.6698	1.5432
3.0	1.9640	1.2366	1.04	.5458	1.8322	1.7200	.2543	2 2291	2.2533	8.4096	38.9877	2.1238	.6720	1.5026
3.0	1.9640	1.2366	1.04	.5458	1.8322	1.7500	.2092	2 3003	2.3167	6.8163	40.0483	1.9236	.6722	1.4606
3.0	1.9640	1.2366	1.04	.5458	1.8322	1.7800	.1571	2 3757	2.3849	5.0432	42.8711	1.7234	.6700	1.4168
3.0	1.9640	1.2366	1.04	.5458	1.8322	1.8100	.0933	2 4562	2.4595	2.9505	51.1496	1.5233	.6652	1.3705

3.0	1.9640	1.2366	1.08	.5873	1.7026	.5900	.0511	5551	.5571	4.9467	87.7502	9.5120	.3197	3.0750
3.0	1.9640	1.2366	1.08	.5873	1.7026	.6200	.1761	5867	.6099	15.8553	82.1051	9.3041	.3256	3.0398
3.0	1.9640	1.2366	1.08	.5873	1.7026	.6500	.2401	6186	.6595	20.2744	79.0395	9.0962	.3316	3.0046
3.0	1.9640	1.2366	1.08	.5873	1.7026	.6800	.2873	6510	.7067	22.9052	76.6405	8.8884	.3377	2.9693
3.0	1.9640	1.2366	1.08	.5873	1.7026	.7100	.3251	6838	.7521	24.6037	74.5937	8.6805	.3439	2.9340
3.0	1.9640	1.2366	1.08	.5873	1.7026	.7400	.3565	7170	.7959	25.7244	72.7729	8.4726	.3502	2.8987
3.0	1.9640	1.2366	1.08	.5873	1.7026	.7700	.3831	7507	.8385	26.4531	71.1128	8.2648	.3566	2.8633
3.0	1.9640	1.2366	1.08	.5873	1.7026	.8000	.4059	7848	.8800	26.8997	69.5743	8.0569	.3631	2.8279
3.0	1.9640	1.2366	1.08	.5873	1.7026	.8300	.4254	8194	.9207	27.1343	68.1320	7.8491	.3697	2.7925
3.0	1.9640	1.2366	1.08	.5873	1.7026	.8600	.4421	8545	.9607	27.2044	66.7681	7.6412	.3764	2.7570
3.0	1.9640	1.2366	1.08	.5873	1.7026	.8900	.4563	8900	1.0002	27.1431	65.4699	7.4333	.3831	2.7214
3.0	1.9640	1.2366	1.08	.5873	1.7026	.9200	.4682	9261	1.0392	26.9745	64.2279	7.2255	.3900	2.6859
3.0	1.9640	1.2366	1.08	.5873	1.7026	.9500	.4781	9627	1.0778	26.7165	63.0349	7.0176	.3969	2.6502
3.0	1.9640	1.2366	1.08	.5873	1.7026	.9800	.4861	9999	1.1161	26.3823	61.8854	6.8097	.4038	2.6145
3.0	1.9640	1.2366	1.08	.5873	1.7026	1.0100	.4922	1 0376	1.1543	25.9822	60.7750	6.6019	.4108	2.5788
3.0	1.9640	1.2366	1.08	.5873	1.7026	1.0400	.4966	1 0759	1.1923	25.5240	59.7004	6.3940	.4179	2.5430
3.0	1.9640	1.2366	1.08	.5873	1.7026	1.0700	.4993	1 1148	1.2302	25.0138	58.6591	6.1861	.4249	2.5070
3.0	1.9640	1.2366	1.08	.5873	1.7026	1.1000	.5003	1 1544	1.2682	24.4561	57.6495	5.9783	.4320	2.4711
3.0	1.9640	1.2366	1.08	.5873	1.7026	1.1300	.4997	1 1947	1.3062	23.8544	56.6704	5.7704	.4390	2.4350
3.0	1.9640	1.2366	1.08	.5873	1.7026	1.1600	.4974	1 2356	1.3444	23.2114	55.7216	5.5625	.4459	2.3988
3.0	1.9640	1.2366	1.08	.5873	1.7026	1.1900	.4936	1 2772	1.3828	22.5287	54.8032	5.3547	.4528	2.3625
3.0	1.9640	1.2366	1.08	.5873	1.7026	1.2200	.4881	1 3197	1.4214	21.8074	53.9165	5.1468	.4596	2.3260
3.0	1.9640	1.2366	1.08	.5873	1.7026	1.2500	.4810	1 3629	1.4603	21.0480	53.0635	4.9389	.4662	2.2895
3.0	1.9640	1.2366	1.08	.5873	1.7026	1.2800	.4722	1 4069	1.4996	20.2503	52.2471	4.7311	.4725	2.2527
3.0	1.9640	1.2366	1.08	.5873	1.7026	1.3100	.4617	1 4518	1.5394	19.4136	51.4720	4.5232	.4787	2.2158
3.0	1.9640	1.2366	1.08	.5873	1.7026	1.3400	.4493	1 4977	1.5796	18.5366	50.7446	4.3153	.4845	2.1787
3.0	1.9640	1.2366	1.08	.5873	1.7026	1.3700	.4350	1 5445	1.6205	17.6172	50.0738	4.1075	.4900	2.1413
3.0	1.9640	1.2366	1.08	.5873	1.7026	1.4000	.4188	1 5924	1.6621	16.6527	49.4721	3.8996	.4950	2.1036
3.0	1.9640	1.2366	1.08	.5873	1.7026	1.4300	.4003	1 6414	1.7045	15.6393	48.9573	3.6917	.4995	2.0656
3.0	1.9640	1.2366	1.08	.5873	1.7026	1.4600	.3795	1 6917	1.7479	14.5721	48.5548	3.4839	.5033	2.0272
3.0	1.9640	1.2366	1.08	.5873	1.7026	1.4900	.3562	1 7432	1.7923	13.4447	48.3026	3.2760	.5065	1.9884
3.0	1.9640	1.2366	1.08	.5873	1.7026	1.5200	.3300	1 7962	1.8380	12.2484	48.2587	3.0681	.5087	1.9491
3.0	1.9640	1.2366	1.08	.5873	1.7026	1.5500	.3005	1 8507	1.8852	10.9710	48.5164	2.8603	.5099	1.9090
3.0	1.9640	1.2366	1.08	.5873	1.7026	1.5800	.2671	1 9070	1.9341	9.5949	49.2359	2.6524	.5100	1.8682
3.0	1.9640	1.2366	1.08	.5873	1.7026	1.6100	.2289	1 9653	1.9851	8.0915	50.7172	2.4445	.5088	1.8265
3.0	1.9640	1.2366	1.08	.5873	1.7026	1.6400	.1842	2 0259	2.0387	6.4067	53.6051	2.2367	.5060	1.7835
3.0	1.9640	1.2366	1.08	.5873	1.7026	1.6700	.1286	2 0893	2.0955	4.4040	59.6683	2.0288	.5015	1.7389
3.0	1.9640	1.2366	1.08	.5873	1.7026	1.7000	.0346	2 1559	2.1564	1.1662	79.6682	1.8209	.4951	1.6922
3.0	1.9640	1.2366	1.12	.6361	1.5720	.6400	.0562	6054	.6078	5.0196	87.3528	9.0013	.3145	3.2707
3.0	1.9640	1.2366	1.12	.6361	1.5720	.6700	.1630	6374	.6560	13.6767	82.1711	8.7857	.3193	3.2340
3.0	1.9640	1.2366	1.12	.6361	1.5720	.7000	.2197	6698	.7020	17.4253	79.2368	8.5702	.3242	3.1972
3.0	1.9640	1.2366	1.12	.6361	1.5720	.7300	.2612	7025	.7461	19.6884	76.9369	8.3546	.3291	3.1604
3.0	1.9640	1.2366	1.12	.6361	1.5720	.7600	.2941	7357	.7888	21.1522	74.9783	8.1390	.3341	3.1236
3.0	1.9640	1.2366	1.12	.6361	1.5720	.7900	.3209	7693	.8303	22.1084	73.2421	7.9235	.3390	3.0867
3.0	1.9640	1.2366	1.12	.6361	1.5720	.8200	.3432	8033	.8708	22.7123	71.6665	7.7079	.3440	3.0497
3.0	1.9640	1.2366	1.12	.6361	1.5720	.8500	.3618	8378	.9106	23.0577	70.2144	7.4923	.3490	3.0127
3.0	1.9640	1.2366	1.12	.6361	1.5720	.8800	.3773	8728	.9496	23.2050	68.8621	7.2768	.3539	2.9757
3.0	1.9640	1.2366	1.12	.6361	1.5720	.9100	.3899	9082	.9881	23.1956	67.5936	7.0612	.3589	2.9386
3.0	1.9640	1.2366	1.12	.6361	1.5720	.9400	.4001	9441	1.0261	23.0586	66.3973	6.8457	.3638	2.9013
3.0	1.9640	1.2366	1.12	.6361	1.5720	.9700	.4081	9806	1.0638	22.8153	65.2655	6.6301	.3686	2.8641
3.0	1.9640	1.2366	1.12	.6361	1.5720	1.0000	.4138	1 0176	1.1013	22.4813	64.1926	6.4145	.3734	2.8267
3.0	1.9640	1.2366	1.12	.6361	1.5720	1.0300	.4176	1 0551	1.1385	22.0684	63.1750	6.1990	.3781	2.7892
3.0	1.9640	1.2366	1.12	.6361	1.5720	1.0600	.4194	1 0932	1.1757	21.5854	62.2107	5.9834	.3827	2.7516
3.0	1.9640	1.2366	1.12	.6361	1.5720	1.0900	.4193	1 1320	1.2128	21.0389	61.2992	5.7678	.3872	2.7139
3.0	1.9640	1.2366	1.12	.6361	1.5720	1.1200	.4173	1 1713	1.2500	20.4335	60.4416	5.5523	.3915	2.6761
3.0	1.9640	1.2366	1.12	.6361	1.5720	1.1500	.4134	1 2113	1.2872	19.7726	59.6403	5.3367	.3956	2.6381
3.0	1.9640	1.2366	1.12	.6361	1.5720	1.1800	.4077	1 2520	1.3246	19.0584	58.8998	5.1211	.3995	2.5999
3.0	1.9640	1.2366	1.12	.6361	1.5720	1.2100	.4000	1 2934	1.3622	18.2918	58.2268	4.9056	.4031	2.5616
3.0	1.9640	1.2366	1.12	.6361	1.5720	1.2400	.3903	1 3356	1.4002	17.4725	57.6307	4.6900	.4064	2.5230
3.0	1.9640	1.2366	1.12	.6361	1.5720	1.2700	.3786	1 3785	1.4385	16.5995	57.1248	4.4744	.4093	2.4842
3.0	1.9640	1.2366	1.12	.6361	1.5720	1.3000	.3647	1 4223	1.4772	15.6701	56.7281	4.2589	.4119	2.4452
3.0	1.9640	1.2366	1.12	.6361	1.5720	1.3300	.3484	1 4670	1.5165	14.6805	56.4669	4.0433	.4139	2.4058
3.0	1.9640	1.2366	1.12	.6361	1.5720	1.3600	.3296	1 5127	1.5565	13.6247	56.3799	3.8277	.4154	2.3660
3.0	1.9640	1.2366	1.12	.6361	1.5720	1.3900	.3080	1 5593	1.5972	12.4942	56.5239	3.6122	.4162	2.3258
3.0	1.9640	1.2366	1.12	.6361	1.5720	1.4200	.2831	1 6071	1.6388	11.2761	56.9875	3.3966	.4163	2.2850
3.0	1.9640	1.2366	1.12	.6361	1.5720	1.4500	.2544	1 6561	1.6814	9.9507	57.9154	3.1811	.4157	2.2437
3.0	1.9640	1.2366	1.12	.6361	1.5720	1.4800	.2208	1 7065	1.7254	8.4843	59.5647	2.9655	.4141	2.2016
3.0	1.9640	1.2366	1.12	.6361	1.5720	1.5100	.1804	1 7583	1.7708	6.8114	62.4525	2.7499	.4114	2.1585
3.0	1.9640	1.2366	1.12	.6361	1.5720	1.5400	.1283	1 8119	1.8182	4.7612	67.8928	2.5344	.4076	2.1144
3.0	1.9640	1.2366	1.12	.6361	1.5720	1.5700	.0318	1 8674	1.8678	1.1607	83.6487	2.3188	.4025	2.0688

3.0	1.9640	1.2366	1.16	.6967	1.4353	.7000	.0456	6669	.6684	3.7288	87.6748	8.3905	.3082	3.4587
3.0	1.9640	1.2366	1.16	.6967	1.4353	.7300	.1421	6994	.7125	11.0132	82.5973	8.1673	.3119	3.4204
3.0	1.9640	1.2366	1.16	.6967	1.4353	.7600	.1913	7323	.7551	14.1263	79.8044	7.9440	.3156	3.3820
3.0	1.9640	1.2366	1.16	.6967	1.4353	.7900	.2265	7655	.7964	15.9959	77.6402	7.7207	.3192	3.3436
3.0	1.9640	1.2366	1.16	.6967	1.4353	.8200	.2536	7992	.8366	17.1842	75.8182	7.4975	.3228	3.3051
3.0	1.9640	1.2366	1.16	.6967	1.4353	.8500	.2750	8333	.8759	17.9302	74.2236	7.2742	.3264	3.2665
3.0	1.9640	1.2366	1.16	.6967	1.4353	.8800	.2921	8679	.9145	18.3626	72.7979	7.0509	.3298	3.2278
3.0	1.9640	1.2366	1.16	.6967	1.4353	.9100	.3055	9029	.9525	18.5591	71.5071	6.8277	.3332	3.1891
3.0	1.9640	1.2366	1.16	.6967	1.4353	.9400	.3158	9384	.9900	18.5704	70.3306	6.6044	.3364	3.1502
3.0	1.9640	1.2366	1.16	.6967	1.4353	.9700	.3233	9744	1.0271	18.4311	69.2558	6.3812	.3395	3.1112
3.0	1.9640	1.2366	1.16	.6967	1.4353	1.0000	.3281	1 0109	1.0640	18.1656	68.2753	6.1579	.3425	3.0721
3.0	1.9640	1.2366	1.16	.6967	1.4353	1.0300	.3305	1 0480	1.1006	17.7913	67.3862	5.9346	.3452	3.0329
3.0	1.9640	1.2366	1.16	.6967	1.4353	1.0600	.3306	1 0856	1.1371	17.3204	66.5889	5.7114	.3478	2.9935
3.0	1.9640	1.2366	1.16	.6967	1.4353	1.0900	.3283	1 1238	1.1736	16.7617	65.8877	5.4881	.3501	2.9539
3.0	1.9640	1.2366	1.16	.6967	1.4353	1.1200	.3237	1 1625	1.2101	16.1208	65.2905	5.2648	.3522	2.9142
3.0	1.9640	1.2366	1.16	.6967	1.4353	1.1500	.3168	1 2019	1.2467	15.4007	64.8100	5.0416	.3540	2.8742
3.0	1.9640	1.2366	1.16	.6967	1.4353	1.1800	.3074	1 2420	1.2835	14.6020	64.4651	4.8183	.3554	2.8340
3.0	1.9640	1.2366	1.16	.6967	1.4353	1.2100	.2955	1 2828	1.3205	13.7227	64.2834	4.5951	.3564	2.7935
3.0	1.9640	1.2366	1.16	.6967	1.4353	1.2400	.2808	1 3243	1.3578	12.7576	64.3048	4.3718	.3571	2.7527
3.0	1.9640	1.2366	1.16	.6967	1.4353	1.2700	.2629	1 3666	1.3956	11.6973	64.5895	4.1485	.3572	2.7114
3.0	1.9640	1.2366	1.16	.6967	1.4353	1.3000	.2416	1 4098	1.4339	10.5261	65.2302	3.9253	.3568	2.6698
3.0	1.9640	1.2366	1.16	.6967	1.4353	1.3300	.2158	1 4538	1.4728	9.2163	66.3805	3.7020	.3558	2.6277
3.0	1.9640	1.2366	1.16	.6967	1.4353	1.3600	.1843	1 4989	1.5126	7.7163	68.3185	3.4787	.3541	2.5849
3.0	1.9640	1.2366	1.16	.6967	1.4353	1.3900	.1439	1 5450	1.5532	5.9087	71.6413	3.2555	.3516	2.5414
3.0	1.9640	1.2366	1.16	.6967	1.4353	1.4200	.0838	1 5923	1.5950	3.3782	78.2643	3.0322	.3483	2.4971
3.0	1.9640	1.2366	1.20	.7817	1.2792	.7900	.0586	7621	.7642	4.2419	86.6561	7.5180	.3013	3.6103
3.0	1.9640	1.2366	1.20	.7817	1.2792	.8200	.1218	7955	.8042	8.4459	82.8661	7.2870	.3037	3.5702
3.0	1.9640	1.2366	1.20	.7817	1.2792	.8500	.1568	8293	.8433	10.4488	80.5607	7.0561	.3059	3.5300
3.0	1.9640	1.2366	1.20	.7817	1.2792	.8800	.1808	8635	.8815	11.6098	78.7972	6.8251	.3081	3.4896
3.0	1.9640	1.2366	1.20	.7817	1.2792	.9100	.1980	8982	.9192	12.2729	77.3616	6.5942	.3100	3.4492
3.0	1.9640	1.2366	1.20	.7817	1.2792	.9400	.2100	9333	.9563	12.5930	76.1674	6.3632	.3118	3.4086
3.0	1.9640	1.2366	1.20	.7817	1.2792	.9700	.2178	9689	.9930	12.6549	75.1745	6.1322	.3134	3.3678
3.0	1.9640	1.2366	1.20	.7817	1.2792	1.0000	.2219	1 0050	1.0294	12.5099	74.3659	5.9013	.3148	3.3269
3.0	1.9640	1.2366	1.20	.7817	1.2792	1.0300	.2225	1 0416	1.0656	12.1899	73.7393	5.6703	.3160	3.2858
3.0	1.9640	1.2366	1.20	.7817	1.2792	1.0600	.2198	1 0787	1.1017	11.7143	73.3052	5.4393	.3168	3.2445
3.0	1.9640	1.2366	1.20	.7817	1.2792	1.0900	.2137	1 1164	1.1377	11.0928	73.0875	5.2084	.3174	3.2029
3.0	1.9640	1.2366	1.20	.7817	1.2792	1.1200	.2041	1 1547	1.1737	10.3264	73.1277	4.9774	.3176	3.1611
3.0	1.9640	1.2366	1.20	.7817	1.2792	1.1500	.1905	1 1936	1.2099	9.4055	73.4938	4.7465	.3174	3.1189
3.0	1.9640	1.2366	1.20	.7817	1.2792	1.1800	.1723	1 2332	1.2463	8.3051	74.3010	4.5155	.3168	3.0764
3.0	1.9640	1.2366	1.20	.7817	1.2792	1.2100	.1479	1 2735	1.2829	6.9689	75.7611	4.2845	.3158	3.0334
3.0	1.9640	1.2366	1.20	.7817	1.2792	1.2400	.1140	1 3145	1.3200	5.2546	78.3446	4.0536	.3142	2.9900
3.0	1.9640	1.2366	1.20	.7817	1.2792	1.2700	.0564	1 3563	1.3576	2.5447	83.8387	3.8226	.3121	2.9460

LOOP BRANCH (M1 FROM 1 TO 5)

GAMMA = 1.4

M1	M1*	DELMAX	DEL	XMIN	XMAX	X(M2U*)	Y(M2V*)	2U	M2	THETA	SIGMA	PR21	PTR21	TR21
3.5	2.0642	1.2743	1.00	.4845	2.0642	.4900	.0895	4569	.4644	10.3561	86.7444	14.0789	.2140	3.3073
3.5	2.0642	1.2743	1.00	.4845	2.0642	.5200	.2243	4879	.5314	23.3341	81.7348	13.8297	.2198	3.2656
3.5	2.0642	1.2743	1.00	.4845	2.0642	.5500	.3014	5194	.5923	28.7210	78.7432	13.5804	.2257	3.2238
3.5	2.0642	1.2743	1.00	.4845	2.0642	.5800	.3599	5513	.6488	31.8229	76.3682	13.3312	.2319	3.1821
3.5	2.0642	1.2743	1.00	.4845	2.0642	.6100	.4080	5837	.7022	33.7790	74.3263	13.0819	.2384	3.1403
3.5	2.0642	1.2743	1.00	.4845	2.0642	.6400	.4491	6165	.7531	35.0552	72.4998	12.8327	.2451	3.0985
3.5	2.0642	1.2743	1.00	.4845	2.0642	.6700	.4848	6498	.8020	35.8881	70.8265	12.5834	.2520	3.0567
3.5	2.0642	1.2743	1.00	.4845	2.0642	.7000	.5163	6836	.8494	36.4135	69.2686	12.3342	.2592	3.0150
3.5	2.0642	1.2743	1.00	.4845	2.0642	.7300	.5444	7178	.8955	36.7157	67.8014	12.0849	.2667	2.9731
3.5	2.0642	1.2743	1.00	.4845	2.0642	.7600	.5696	7527	.9406	36.8502	66.4072	11.8357	.2745	2.9313
3.5	2.0642	1.2743	1.00	.4845	2.0642	.7900	.5922	7880	.9848	36.8551	65.0733	11.5864	.2825	2.8895
3.5	2.0642	1.2743	1.00	.4845	2.0642	.8200	.6125	8239	1.0284	36.7575	63.7898	11.3371	.2909	2.8477
3.5	2.0642	1.2743	1.00	.4845	2.0642	.8500	.6307	8604	1.0714	36.5772	62.5492	11.0879	.2997	2.8058
3.5	2.0642	1.2743	1.00	.4845	2.0642	.8800	.6471	8975	1.1140	36.3289	61.3453	10.8386	.3088	2.7639
3.5	2.0642	1.2743	1.00	.4845	2.0642	.9100	.6617	9352	1.1563	36.0238	60.1731	10.5894	.3182	2.7221
3.5	2.0642	1.2743	1.00	.4845	2.0642	.9400	.6747	9736	1.1984	35.6706	59.0282	10.3401	.3281	2.6802
3.5	2.0642	1.2743	1.00	.4845	2.0642	.9700	.6862	1 0126	1.2403	35.2760	57.9073	10.0909	.3383	2.6382
3.5	2.0642	1.2743	1.00	.4845	2.0642	1.0000	.6962	1 0523	1.2822	34.8454	56.8072	9.8416	.3490	2.5963
3.5	2.0642	1.2743	1.00	.4845	2.0642	1.0300	.7048	1 0927	1.3241	34.3829	55.7253	9.5924	.3601	2.5544
3.5	2.0642	1.2743	1.00	.4845	2.0642	1.0600	.7121	1 1339	1.3660	33.8921	54.6593	9.3431	.3717	2.5124
3.5	2.0642	1.2743	1.00	.4845	2.0642	1.0900	.7181	1 1759	1.4081	33.3754	53.6069	9.0939	.3838	2.4704
3.5	2.0642	1.2743	1.00	.4845	2.0642	1.1200	.7228	1 2187	1.4504	32.8351	52.5664	8.8446	.3964	2.4283
3.5	2.0642	1.2743	1.00	.4845	2.0642	1.1500	.7262	1 2623	1.4929	32.2729	51.5361	8.5954	.4095	2.3863
3.5	2.0642	1.2743	1.00	.4845	2.0642	1.1800	.7285	1 3068	1.5358	31.6900	50.5143	8.3461	.4232	2.3442
3.5	2.0642	1.2743	1.00	.4845	2.0642	1.2100	.7296	1 3522	1.5790	31.0875	49.4995	8.0969	.4374	2.3021
3.5	2.0642	1.2743	1.00	.4845	2.0642	1.2400	.7294	1 3986	1.6226	30.4661	48.4904	7.8476	.4523	2.2599
3.5	2.0642	1.2743	1.00	.4845	2.0642	1.2700	.7281	1 4460	1.6668	29.8262	47.4856	7.5984	.4678	2.2178
3.5	2.0642	1.2743	1.00	.4845	2.0642	1.3000	.7256	1 4944	1.7115	29.1681	46.4839	7.3491	.4839	2.1755
3.5	2.0642	1.2743	1.00	.4845	2.0642	1.3300	.7219	1 5440	1.7568	28.4919	45.4840	7.0999	.5007	2.1332
3.5	2.0642	1.2743	1.00	.4845	2.0642	1.3600	.7170	1 5947	1.8028	27.7975	44.4847	6.8506	.5183	2.0909
3.5	2.0642	1.2743	1.00	.4845	2.0642	1.3900	.7108	1 6467	1.8495	27.0845	43.4848	6.6014	.5365	2.0485
3.5	2.0642	1.2743	1.00	.4845	2.0642	1.4200	.7034	1 6999	1.8971	26.3525	42.4830	6.3521	.5555	2.0061
3.5	2.0642	1.2743	1.00	.4845	2.0642	1.4500	.6947	1 7546	1.9456	25.6008	41.4781	6.1029	.5753	1.9635
3.5	2.0642	1.2743	1.00	.4845	2.0642	1.4800	.6847	1 8106	1.9950	24.8285	40.4689	5.8536	.5959	1.9209
3.5	2.0642	1.2743	1.00	.4845	2.0642	1.5100	.6734	1 8682	2.0456	24.0346	39.4539	5.6044	.6172	1.8782
3.5	2.0642	1.2743	1.00	.4845	2.0642	1.5400	.6606	1 9274	2.0973	23.2177	38.4318	5.3551	.6393	1.8354
3.5	2.0642	1.2743	1.00	.4845	2.0642	1.5700	.6463	1 9883	2.1503	22.3762	37.4012	5.1059	.6622	1.7925
3.5	2.0642	1.2743	1.00	.4845	2.0642	1.6000	.6305	2 0511	2.2047	21.5082	36.3603	4.8566	.6858	1.7494
3.5	2.0642	1.2743	1.00	.4845	2.0642	1.6300	.6131	2 1159	2.2606	20.6116	35.3076	4.6074	.7102	1.7062
3.5	2.0642	1.2743	1.00	.4845	2.0642	1.6600	.5938	2 1828	2.3182	19.6835	34.2411	4.3581	.7352	1.6628
3.5	2.0642	1.2743	1.00	.4845	2.0642	1.6900	.5727	2 2520	2.3778	18.7209	33.1586	4.1089	.7607	1.6191
3.5	2.0642	1.2743	1.00	.4845	2.0642	1.7200	.5496	2 3237	2.4394	17.7198	32.0579	3.8596	.7867	1.5752
3.5	2.0642	1.2743	1.00	.4845	2.0642	1.7500	.5242	2 3981	2.5034	16.6757	30.9363	3.6104	.8130	1.5311
3.5	2.0642	1.2743	1.00	.4845	2.0642	1.7800	.4964	2 4755	2.5699	15.5827	29.7907	3.3611	.8393	1.4865
3.5	2.0642	1.2743	1.00	.4845	2.0642	1.8100	.4659	2 5562	2.6395	14.4340	28.6175	3.1119	.8654	1.4414
3.5	2.0642	1.2743	1.00	.4845	2.0642	1.8400	.4323	2 6407	2.7126	13.2207	27.4125	2.8626	.8909	1.3958
3.5	2.0642	1.2743	1.00	.4845	2.0642	1.8700	.3952	2 7294	2.7897	11.9317	26.1707	2.6134	.9154	1.3495
3.5	2.0642	1.2743	1.00	.4845	2.0642	1.9000	.3539	2 8231	2.8717	10.5524	24.8858	2.3641	.9382	1.3022
3.5	2.0642	1.2743	1.00	.4845	2.0642	1.9300	.3079	2 9227	2.9596	9.0634	23.5502	2.1149	.9586	1.2537
3.5	2.0642	1.2743	1.00	.4845	2.0642	1.9600	.2559	3 0295	3.0552	7.4383	22.1539	1.8656	.9758	1.2034
3.5	2.0642	1.2743	1.00	.4845	2.0642	1.9900	.1965	3 1455	3.1607	5.6392	20.6841	1.6164	.9888	1.1507
3.5	2.0642	1.2743	1.00	.4845	2.0642	2.0200	.1274	3 2740	3.2805	3.6099	19.1231	1.3671	.9969	1.0944
3.5	2.0642	1.2743	1.00	.4845	2.0642	2.0500	.0451	3 4210	3.4218	1.2616	17.4456	1.1179	.9999	1.0324
3.5	2.0642	1.2743	1.04	.5172	1.9334	.5200	.0599	4859	.4891	6.5719	87.7192	13.6568	.2109	3.5611
3.5	2.0642	1.2743	1.04	.5172	1.9334	.5500	.2036	5171	.5514	20.3104	82.1375	13.3976	.2160	3.5176
3.5	2.0642	1.2743	1.04	.5172	1.9334	.5800	.2784	5487	.6087	25.6411	79.0881	13.1384	.2212	3.4741
3.5	2.0642	1.2743	1.04	.5172	1.9334	.6100	.3344	5808	.6623	28.7284	76.6970	12.8792	.2266	3.4306
3.5	2.0642	1.2743	1.04	.5172	1.9334	.6400	.3799	6132	.7131	30.6915	74.6528	12.6200	.2322	3.3870
3.5	2.0642	1.2743	1.04	.5172	1.9334	.6700	.4184	6461	.7618	31.9823	72.8306	12.3607	.2380	3.3435
3.5	2.0642	1.2743	1.04	.5172	1.9334	.7000	.4517	6795	.8087	32.8310	71.1654	12.1015	.2440	3.2999
3.5	2.0642	1.2743	1.04	.5172	1.9334	.7300	.4808	7134	.8542	33.3704	69.6182	11.8423	.2501	3.2563
3.5	2.0642	1.2743	1.04	.5172	1.9334	.7600	.5065	7477	.8986	33.6834	68.1635	11.5831	.2564	3.2127
3.5	2.0642	1.2743	1.04	.5172	1.9334	.7900	.5294	7825	.9420	33.8250	66.7835	11.3239	.2630	3.1691
3.5	2.0642	1.2743	1.04	.5172	1.9334	.8200	.5496	8179	.9847	33.8329	65.4652	11.0646	.2698	3.1255
3.5	2.0642	1.2743	1.04	.5172	1.9334	.8500	.5676	8538	1.0267	33.7344	64.1987	10.8054	.2767	3.0818
3.5	2.0642	1.2743	1.04	.5172	1.9334	.8800	.5835	8903	1.0682	33.5491	62.9763	10.5462	.2839	3.0381
3.5	2.0642	1.2743	1.04	.5172	1.9334	.9100	.5976	9273	1.1094	33.2921	61.7920	10.2870	.2914	2.9944
3.5	2.0642	1.2743	1.04	.5172	1.9334	.9400	.6098	9650	1.1503	32.9745	60.6406	10.0278	.2990	2.9507
3.5	2.0642	1.2743	1.04	.5172	1.9334	.9700	.6205	1 0032	1.1909	32.6052	59.5182	9.7685	.3069	2.9069
3.5	2.0642	1.2743	1.04	.5172	1.9334	1.0000	.6295	1 0422	1.2315	32.1908	58.4212	9.5093	.3151	2.8631
3.5	2.0642	1.2743	1.04	.5172	1.9334	1.0300	.6371	1 0817	1.2719	31.7369	57.3468	9.2501	.3235	2.8193
3.5	2.0642	1.2743	1.04	.5172	1.9334	1.0600	.6432	1 1220	1.3124	31.2476	56.2924	8.9909	.3322	2.7755
3.5	2.0642	1.2743	1.04	.5172	1.9334	1.0900	.6479	1 1630	1.3529	30.7262	55.2558	8.7316	.3411	2.7316
3.5	2.0642	1.2743	1.04	.5172	1.9334	1.1200	.6512	1 2047	1.3936	30.1754	54.2353	8.4724	.3503	2.6876
3.5	2.0642	1.2743	1.04	.5172	1.9334	1.1500	.6532	1 2472	1.4344	29.5973	53.2292	8.2132	.3598	2.6437
3.5	2.0642	1.2743	1.04	.5172	1.9334	1.1800	.6539	1 2906	1.4755	28.9933	52.2360	7.9540	.3695	2.5996
3.5	2.0642	1.2743	1.04	.5172	1.9334	1.2100	.6533	1 3347	1.5168	28.3646	51.2546	7.6948	.3795	2.5555
3.5	2.0642	1.2743	1.04	.5172	1.9334	1.2400	.6513	1 3798	1.5586	27.7120	50.2839	7.4355	.3898	2.5114
3.5	2.0642	1.2743	1.04	.5172	1.9334	1.2700	.6481	1 4258	1.6007	27.0360	49.3230	7.1763	.4003	2.4672
3.5	2.0642	1.2743	1.04	.5172	1.9334	1.3000	.6435	1 4727	1.6433	26.3368	48.3712	6.9171	.4111	2.4229
3.5	2.0642	1.2743	1.04	.5172	1.9334	1.3300	.6376	1 5207	1.6865	25.6143	47.4279	6.6579	.4222	2.3785
3.5	2.0642	1.2743	1.04	.5172	1.9334	1.3600	.6304	1 5698	1.7302	24.8680	46.4928	6.3987	.4334	2.3341
3.5	2.0642	1.2743	1.04	.5172	1.9334	1.3900	.6217	1 6199	1.7746	24.0975	45.5657	6.1394	.4449	2.2895
3.5	2.0642	1.2743	1.04	.5172	1.9334	1.4200	.6116	1 6713	1.8197	23.3017	44.6467	5.8802	.4565	2.2448
3.5	2.0642	1.2743	1.04	.5172	1.9334	1.4500	.6000	1 7239	1.8656	22.4795	43.7363	5.6210	.4683	2.2000
3.5	2.0642	1.2743	1.04	.5172	1.9334	1.4800	.5869	1 7778	1.9125	21.6294	42.8354	5.3618	.4802	2.1551
3.5	2.0642	1.2743	1.04	.5172	1.9334	1.5100	.5721	1 8331	1.9603	20.7494	41.9452	5.1026	.4921	2.1099
3.5	2.0642	1.2743	1.04	.5172	1.9334	1.5400	.5556	1 8900	2.0092	19.8373	41.0679	4.8433	.5040	2.0646
3.5	2.0642	1.2743	1.04	.5172	1.9334	1.5700	.5372	1 9484	2.0593	18.8902	40.2066	4.5841	.5158	2.0191
3.5	2.0642	1.2743	1.04	.5172	1.9334	1.6000	.5169	2 0086	2.1108	17.9048	39.3662	4.3249	.5273	1.9732
3.5	2.0642	1.2743	1.04	.5172	1.9334	1.6300	.4945	2 0706	2.1638	16.8768	38.5533	4.0657	.5386	1.9271
3.5	2.0642	1.2743	1.04	.5172	1.9334	1.6600	.4698	2 1346	2.2185	15.8011	37.7782	3.8065	.5493	1.8805
3.5	2.0642	1.2743	1.04	.5172	1.9334	1.6900	.4425	2 2009	2.2751	14.6714	37.0564	3.5472	.5593	1.8335
3.5	2.0642	1.2743	1.04	.5172	1.9334	1.7200	.4123	2 2696	2.3339	13.4797	36.4123	3.2880	.5684	1.7859
3.5	2.0642	1.2743	1.04	.5172	1.9334	1.7500	.3789	2 3411	2.3953	12.2156	35.8854	3.0288	.5763	1.7376
3.5	2.0642	1.2743	1.04	.5172	1.9334	1.7800	.3417	2 4156	2.4597	10.8655	35.5441	2.7696	.5827	1.6884
3.5	2.0642	1.2743	1.04	.5172	1.9334	1.8100	.3000	2.4938	2.5278	9.4108	35.5151	2.5104	.5872	1.6381
3.5	2.0642	1.2743	1.04	.5172	1.9334	1.8400	.2528	2 5763	2.6005	7.8239	36.0607	2.2511	.5894	1.5862
3.5	2.0642	1.2743	1.04	.5172	1.9334	1.8700	.1985	2.6640	2.6790	6.0594	37.8228	1.9919	.5887	1.5322
3.5	2.0642	1.2743	1.04	.5172	1.9334	1.9000	.1335	2.7584	2.7652	4.0178	42.9207	1.7327	.5846	1.4753
3.5	2.0642	1.2743	1.04	.5172	1.9334	1.9300	.0372	2.8620	2.8626	1.1034	68.4445	1.4735	.5767	1.4141

3.5	2.0642	1.2743	1.08	.5536	1.8062	.5600	.0850	.5254	.5315	8.6290	86.5902	13.1251	.2086	3.8089
3.5	2.0642	1.2743	1.08	.5536	1.8062	.5900	.2006	.5569	.5882	18.7804	81.8232	12.8559	.2130	3.7636
3.5	2.0642	1.2743	1.08	.5536	1.8062	.6200	.2674	.5888	.6412	23.3308	78.9259	12.5867	.2176	3.7183
3.5	2.0642	1.2743	1.08	.5536	1.8062	.6500	.3178	.6211	.6913	26.0546	76.6223	12.3175	.2223	3.6730
3.5	2.0642	1.2743	1.08	.5536	1.8062	.6800	.3588	.6538	.7392	27.8155	74.6427	12.0483	.2271	3.6276
3.5	2.0642	1.2743	1.08	.5536	1.8062	.7100	.3933	.6869	.7853	28.9817	72.8741	11.7792	.2320	3.5823
3.5	2.0642	1.2743	1.08	.5536	1.8062	.7400	.4229	.7206	.8299	29.7470	71.2565	11.5100	.2371	3.5369
3.5	2.0642	1.2743	1.08	.5536	1.8062	.7700	.4486	.7546	.8734	30.2259	69.7536	11.2408	.2422	3.4915
3.5	2.0642	1.2743	1.08	.5536	1.8062	.8000	.4711	.7892	.9158	30.4918	68.3414	10.9716	.2475	3.4460
3.5	2.0642	1.2743	1.08	.5536	1.8062	.8300	.4907	.8242	.9575	30.5935	67.0030	10.7024	.2529	3.4005
3.5	2.0642	1.2743	1.08	.5536	1.8062	.8600	.5079	.8598	.9985	30.5656	65.7264	10.4332	.2585	3.3550
3.5	2.0642	1.2743	1.08	.5536	1.8062	.8900	.5228	.8959	1.0390	30.4328	64.5021	10.1640	.2642	3.3095
3.5	2.0642	1.2743	1.08	.5536	1.8062	.9200	.5357	.9325	1.0791	30.2134	63.3230	9.8948	.2700	3.2639
3.5	2.0642	1.2743	1.08	.5536	1.8062	.9500	.5467	.9697	1.1189	29.9212	62.1835	9.6256	.2759	3.2183
3.5	2.0642	1.2743	1.08	.5536	1.8062	.9800	.5560	1.0075	1.1584	29.5669	61.0791	9.3564	.2819	3.1727
3.5	2.0642	1.2743	1.08	.5536	1.8062	1.0100	.5635	1.0459	1.1977	29.1584	60.0061	9.0872	.2881	3.1270
3.5	2.0642	1.2743	1.08	.5536	1.8062	1.0400	.5694	1.0850	1.2370	28.7022	58.9617	8.8181	.2943	3.0812
3.5	2.0642	1.2743	1.08	.5536	1.8062	1.0700	.5738	1.1247	1.2762	28.2033	57.9433	8.5489	.3007	3.0354
3.5	2.0642	1.2743	1.08	.5536	1.8062	1.1000	.5767	1.1650	1.3154	27.6654	56.9492	8.2797	.3072	2.9895
3.5	2.0642	1.2743	1.08	.5536	1.8062	1.1300	.5780	1.2061	1.3547	27.0915	55.9780	8.0105	.3137	2.9436
3.5	2.0642	1.2743	1.08	.5536	1.8062	1.1600	.5779	1.2479	1.3942	26.4838	55.0285	7.7413	.3204	2.8976
3.5	2.0642	1.2743	1.08	.5536	1.8062	1.1900	.5764	1.2905	1.4339	25.8441	54.1001	7.4721	.3271	2.8515
3.5	2.0642	1.2743	1.08	.5536	1.8062	1.2200	.5734	1.3339	1.4738	25.1733	53.1926	7.2029	.3338	2.8053
3.5	2.0642	1.2743	1.08	.5536	1.8062	1.2500	.5689	1.3781	1.5141	24.4722	52.3062	6.9337	.3406	2.7591
3.5	2.0642	1.2743	1.08	.5536	1.8062	1.2800	.5630	1.4232	1.5547	23.7408	51.4414	6.6645	.3474	2.7127
3.5	2.0642	1.2743	1.08	.5536	1.8062	1.3100	.5555	1.4692	1.5958	22.9791	50.5996	6.3953	.3542	2.6662
3.5	2.0642	1.2743	1.08	.5536	1.8062	1.3400	.5465	1.5161	1.6374	22.1865	49.7825	6.1261	.3609	2.6195
3.5	2.0642	1.2743	1.08	.5536	1.8062	1.3700	.5358	1.5641	1.6795	21.3618	48.9931	5.8570	.3675	2.5727
3.5	2.0642	1.2743	1.08	.5536	1.8062	1.4000	.5235	1.6132	1.7223	20.5035	48.2351	5.5878	.3740	2.5257
3.5	2.0642	1.2743	1.08	.5536	1.8062	1.4300	.5095	1.6633	1.7658	19.6098	47.5139	5.3186	.3803	2.4785
3.5	2.0642	1.2743	1.08	.5536	1.8062	1.4600	.4936	1.7147	1.8101	18.6780	46.8369	5.0494	.3863	2.4311
3.5	2.0642	1.2743	1.08	.5536	1.8062	1.4900	.4757	1.7674	1.8553	17.7049	46.2146	4.7802	.3920	2.3834
3.5	2.0642	1.2743	1.08	.5536	1.8062	1.5200	.4556	1.8214	1.9015	16.6862	45.6613	4.5110	.3972	2.3353
3.5	2.0642	1.2743	1.08	.5536	1.8062	1.5500	.4333	1.8770	1.9489	15.6169	45.1980	4.2418	.4019	2.2869
3.5	2.0642	1.2743	1.08	.5536	1.8062	1.5800	.4083	1.9341	1.9976	14.4901	44.8552	3.9726	.4060	2.2380
3.5	2.0642	1.2743	1.08	.5536	1.8062	1.6100	.3805	1.9929	2.0478	13.2971	44.6794	3.7034	.4093	2.1885
3.5	2.0642	1.2743	1.08	.5536	1.8062	1.6400	.3494	2.0537	2.0998	12.0259	44.7445	3.4342	.4116	2.1384
3.5	2.0642	1.2743	1.08	.5536	1.8062	1.6700	.3143	2.1167	2.1539	10.6598	45.1752	3.1651	.4128	2.0874
3.5	2.0642	1.2743	1.08	.5536	1.8062	1.7000	.2745	2.1821	2.2104	9.1735	46.1986	2.8959	.4126	2.0353
3.5	2.0642	1.2743	1.08	.5536	1.8062	1.7300	.2285	2.2504	2.2699	7.5234	48.2807	2.6267	.4108	1.9818
3.5	2.0642	1.2743	1.08	.5536	1.8062	1.7600	.1731	2.3221	2.3333	5.6183	52.5772	2.3575	.4071	1.9265
3.5	2.0642	1.2743	1.08	.5536	1.8062	1.7900	.0983	2.3979	2.4015	3.1443	63.3888	2.0883	.4012	1.8687
3.5	2.0642	1.2743	1.12	.5951	1.6805	.6000	.0697	.5652	.5690	6.6228	87.0470	12.5668	.2052	4.0645
3.5	2.0642	1.2743	1.12	.5951	1.6805	.6300	.1824	.5969	.6214	16.1473	82.1353	12.2876	.2090	4.0174
3.5	2.0642	1.2743	1.12	.5951	1.6805	.6600	.2448	.6290	.6709	20.3501	79.2589	12.0085	.2129	3.9703
3.5	2.0642	1.2743	1.12	.5951	1.6805	.6900	.2912	.6616	.7181	22.8840	76.9898	11.7293	.2168	3.9231
3.5	2.0642	1.2743	1.12	.5951	1.6805	.7200	.3286	.6945	.7634	24.5295	75.0493	11.4501	.2208	3.8759
3.5	2.0642	1.2743	1.12	.5951	1.6805	.7500	.3596	.7279	.8073	25.6188	73.3227	11.1710	.2249	3.8287
3.5	2.0642	1.2743	1.12	.5951	1.6805	.7800	.3860	.7617	.8499	26.3279	71.7497	10.8918	.2290	3.7814
3.5	2.0642	1.2743	1.12	.5951	1.6805	.8100	.4085	.7960	.8915	26.7620	70.2939	10.6127	.2332	3.7341
3.5	2.0642	1.2743	1.12	.5951	1.6805	.8400	.4278	.8308	.9323	26.9886	68.9317	10.3335	.2374	3.6867
3.5	2.0642	1.2743	1.12	.5951	1.6805	.8700	.4443	.8661	.9725	27.0534	67.6468	10.0543	.2417	3.6394
3.5	2.0642	1.2743	1.12	.5951	1.6805	.9000	.4583	.9018	1.0120	26.9887	66.4272	9.7752	.2460	3.5919
3.5	2.0642	1.2743	1.12	.5951	1.6805	.9300	.4701	.9381	1.0512	26.8177	65.2642	9.4960	.2504	3.5444
3.5	2.0642	1.2743	1.12	.5951	1.6805	.9600	.4798	.9749	1.0899	26.5579	64.1515	9.2169	.2548	3.4969
3.5	2.0642	1.2743	1.12	.5951	1.6805	.9900	.4876	1.0123	1.1284	26.2221	63.0839	8.9377	.2592	3.4493
3.5	2.0642	1.2743	1.12	.5951	1.6805	1.0200	.4935	1.0503	1.1667	25.8204	62.0580	8.6585	.2637	3.4016
3.5	2.0642	1.2743	1.12	.5951	1.6805	1.0500	.4977	1.0888	1.2049	25.3603	61.0709	8.3794	.2681	3.3538
3.5	2.0642	1.2743	1.12	.5951	1.6805	1.0800	.5001	1.1280	1.2431	24.8476	60.1211	8.1002	.2726	3.3060
3.5	2.0642	1.2743	1.12	.5951	1.6805	1.1100	.5009	1.1678	1.2812	24.2867	59.2075	7.8211	.2770	3.2580
3.5	2.0642	1.2743	1.12	.5951	1.6805	1.1400	.5000	1.2083	1.3194	23.6809	58.3301	7.5419	.2813	3.2100
3.5	2.0642	1.2743	1.12	.5951	1.6805	1.1700	.4974	1.2495	1.3578	23.0325	57.4894	7.2627	.2856	3.1619
3.5	2.0642	1.2743	1.12	.5951	1.6805	1.2000	.4932	1.2915	1.3963	22.3431	56.6872	6.9836	.2899	3.1136
3.5	2.0642	1.2743	1.12	.5951	1.6805	1.2300	.4873	1.3342	1.4351	21.6133	55.9260	6.7044	.2940	3.0652
3.5	2.0642	1.2743	1.12	.5951	1.6805	1.2600	.4797	1.3777	1.4742	20.8433	55.2096	6.4253	.2979	3.0166
3.5	2.0642	1.2743	1.12	.5951	1.6805	1.2900	.4704	1.4220	1.5136	20.0326	54.5437	6.1461	.3017	2.9678
3.5	2.0642	1.2743	1.12	.5951	1.6805	1.3200	.4591	1.4672	1.5535	19.1797	53.9356	5.8669	.3053	2.9189
3.5	2.0642	1.2743	1.12	.5951	1.6805	1.3500	.4460	1.5134	1.5939	18.2827	53.3959	5.5878	.3086	2.8697
3.5	2.0642	1.2743	1.12	.5951	1.6805	1.3800	.4308	1.5605	1.6348	17.3386	52.9386	5.3086	.3116	2.8202
3.5	2.0642	1.2743	1.12	.5951	1.6805	1.4100	.4135	1.6087	1.6765	16.3433	52.5836	5.0294	.3142	2.7704
3.5	2.0642	1.2743	1.12	.5951	1.6805	1.4400	.3937	1.6580	1.7189	15.2913	52.3587	4.7503	.3163	2.7202
3.5	2.0642	1.2743	1.12	.5951	1.6805	1.4700	.3713	1.7086	1.7622	14.1752	52.3048	4.4711	.3180	2.6696
3.5	2.0642	1.2743	1.12	.5951	1.6805	1.5000	.3459	1.7604	1.8066	12.9846	52.4827	4.1920	.3190	2.6185
3.5	2.0642	1.2743	1.12	.5951	1.6805	1.5300	.3170	1.8136	1.8521	11.7049	52.9884	3.9128	.3193	2.5668
3.5	2.0642	1.2743	1.12	.5951	1.6805	1.5600	.2839	1.8683	1.8990	10.3137	53.9819	3.6336	.3187	2.5142
3.5	2.0642	1.2743	1.12	.5951	1.6805	1.5900	.2454	1.9249	1.9476	8.7736	55.7546	3.3545	.3172	2.4608
3.5	2.0642	1.2743	1.12	.5951	1.6805	1.6200	.1993	1.9833	1.9983	7.0122	58.9120	3.0753	.3146	2.4061
3.5	2.0642	1.2743	1.12	.5951	1.6805	1.6500	.1397	2.0441	2.0514	4.8395	65.0649	2.7962	.3107	2.3499
3.5	2.0642	1.2743	1.12	.5951	1.6805	1.6800	.0178	2.1075	2.1076	.6064	86.2389	2.5170	.3054	2.2917

3.5	2.0642	1.2743	1.16	.6438	1.5533	.6500	.0712	.6157	.6194	6.2535	86.7813	11.8855	.2018	4.3115
3.5	2.0642	1.2743	1.16	.6438	1.5533	.6800	.1688	.6478	.6675	13.9409	82.2268	11.5964	.2050	4.2625
3.5	2.0642	1.2743	1.16	.6438	1.5533	.7100	.2240	.6803	.7134	17.5083	79.4837	11.3072	.2081	4.2135
3.5	2.0642	1.2743	1.16	.6438	1.5533	.7400	.2648	.7132	.7575	19.6858	77.3183	11.0181	.2113	4.1644
3.5	2.0642	1.2743	1.16	.6438	1.5533	.7700	.2971	.7466	.8002	21.1004	75.4716	10.7290	.2145	4.1153
3.5	2.0642	1.2743	1.16	.6438	1.5533	.8000	.3236	.7803	.8418	22.0253	73.8358	10.4398	.2177	4.0661
3.5	2.0642	1.2743	1.16	.6438	1.5533	.8300	.3456	.8145	.8823	22.6083	72.3539	10.1507	.2208	4.0169
3.5	2.0642	1.2743	1.16	.6438	1.5533	.8600	.3640	.8492	.9221	22.9387	70.9921	9.8616	.2240	3.9676
3.5	2.0642	1.2743	1.16	.6438	1.5533	.8900	.3792	.8843	.9613	23.0747	69.7285	9.5725	.2272	3.9182
3.5	2.0642	1.2743	1.16	.6438	1.5533	.9200	.3916	.9200	.9998	23.0563	68.5482	9.2833	.2304	3.8688
3.5	2.0642	1.2743	1.16	.6438	1.5533	.9500	.4015	.9561	1.0380	22.9116	67.4412	8.9942	.2335	3.8193
3.5	2.0642	1.2743	1.16	.6438	1.5533	.9800	.4092	.9928	1.0758	22.6611	66.4004	8.7051	.2365	3.7697
3.5	2.0642	1.2743	1.16	.6438	1.5533	1.0100	.4146	1.0300	1.1134	22.3199	65.4215	8.4159	.2396	3.7200
3.5	2.0642	1.2743	1.16	.6438	1.5533	1.0400	.4181	1.0677	1.1508	21.8993	64.5016	8.1268	.2425	3.6702
3.5	2.0642	1.2743	1.16	.6438	1.5533	1.0700	.4195	1.1061	1.1880	21.4077	63.6401	7.8377	.2453	3.6203
3.5	2.0642	1.2743	1.16	.6438	1.5533	1.1000	.4190	1.1450	1.2253	20.8511	62.8375	7.5485	.2481	3.5703
3.5	2.0642	1.2743	1.16	.6438	1.5533	1.1300	.4165	1.1846	1.2625	20.2341	62.0963	7.2594	.2507	3.5201
3.5	2.0642	1.2743	1.16	.6438	1.5533	1.1600	.4121	1 2249	1.2999	19.5592	61.4209	6.9703	.2532	3.4698
3.5	2.0642	1.2743	1.16	.6438	1.5533	1.1900	.4058	1 2658	1.3373	18.8281	60.8177	6.6811	.2554	3.4193
3.5	2.0642	1.2743	1.16	.6438	1.5533	1.2200	.3974	1 3074	1.3750	18.0410	60.2962	6.3920	.2575	3.3685
3.5	2.0642	1.2743	1.16	.6438	1.5533	1.2500	.3869	1.3498	1.4130	17.1967	59.8694	6.1029	.2593	3.3176
3.5	2.0642	1.2743	1.16	.6438	1.5533	1.2800	.3741	1.3930	1.4513	16.2928	59.5557	5.8138	.2609	3.2664
3.5	2.0642	1.2743	1.16	.6438	1.5533	1.3100	.3590	1 4370	1.4900	15.3251	59.3805	5.5246	.2621	3.2148
3.5	2.0642	1.2743	1.16	.6438	1.5533	1.3400	.3412	1.4820	1.5293	14.2870	59.3803	5.2355	.2629	3.1629
3.5	2.0642	1.2743	1.16	.6438	1.5533	1.3700	.3206	1 5278	1.5691	13.1692	59.6083	4.9464	.2633	3.1106
3.5	2.0642	1.2743	1.16	.6438	1.5533	1.4000	.2965	1 5747	1.6096	11.9571	60.1455	4.6572	.2633	3.0578
3.5	2.0642	1.2743	1.16	.6438	1.5533	1.4300	.2684	1 6227	1.6510	10.6285	61.1215	4.3681	.2626	3.0044
3.5	2.0642	1.2743	1.16	.6438	1.5533	1.4600	.2350	1.6718	1.6934	9.1450	62.7607	4.0790	.2613	2.9503
3.5	2.0642	1.2743	1.16	.6438	1.5533	1.4900	.1944	1.7223	1.7369	7.4326	65.5012	3.7898	.2593	2.8954
3.5	2.0642	1.2743	1.16	.6438	1.5533	1.5200	.1411	1.7742	1.7819	5.3034	70.4138	3.5007	.2565	2.8393
3.5	2.0642	1.2743	1.16	.6438	1.5533	1.5500	.0444	1.8278	1.8286	1.6404	83.0953	3.2116	.2528	2.7819
3.5	2.0642	1.2743	1.20	.7046	1.4193	.7100	.0587	6774	.6797	4.7264	87.1384	11.0713	.1978	4.5478
3.5	2.0642	1.2743	1.20	.7046	1.4193	.7400	.1466	7100	.7238	11.2065	82.6991	10.7722	.2002	4.4968
3.5	2.0642	1.2743	1.20	.7046	1.4193	.7700	.1945	7430	.7664	14.1743	80.1006	10.4731	.2025	4.4458
3.5	2.0642	1.2743	1.20	.7046	1.4193	.8000	.2290	7765	.8077	15.9716	78.0767	10.1740	.2049	4.3947
3.5	2.0642	1.2743	1.20	.7046	1.4193	.8300	.2556	8103	.8479	17.1152	76.3738	9.8749	.2072	4.3435
3.5	2.0642	1.2743	1.20	.7046	1.4193	.8600	.2766	8446	.8872	17.8301	74.8882	9.5758	.2094	4.2923
3.5	2.0642	1.2743	1.20	.7046	1.4193	.8900	.2933	8793	.9259	18.2388	73.5663	9.2767	.2116	4.2409
3.5	2.0642	1.2743	1.20	.7046	1.4193	.9200	.3063	9146	.9639	18.4157	72.3774	8.9776	.2137	4.1895
3.5	2.0642	1.2743	1.20	.7046	1.4193	.9500	.3162	9502	1.0015	18.4096	71.3031	8.6785	.2158	4.1379
3.5	2.0642	1.2743	1.20	.7046	1.4193	.9800	.3232	9864	1.0387	18.2535	70.3325	8.3794	.2177	4.0863
3.5	2.0642	1.2743	1.20	.7046	1.4193	1.0100	.3276	1 0231	1.0756	17.9707	69.4599	8.0803	.2195	4.0345
3.5	2.0642	1.2743	1.20	.7046	1.4193	1.0400	.3295	1 0604	1.1123	17.5778	68.6841	7.7812	.2212	3.9826
3.5	2.0642	1.2743	1.20	.7046	1.4193	1.0700	.3289	1 0982	1.1489	17.0860	68.0075	7.4821	.2227	3.9305
3.5	2.0642	1.2743	1.20	.7046	1.4193	1.1000	.3259	1 1365	1.1854	16.5032	67.4365	7.1830	.2241	3.8782
3.5	2.0642	1.2743	1.20	.7046	1.4193	1.1300	.3205	1 1755	1.2219	15.8337	66.9821	6.8839	.2252	3.8257
3.5	2.0642	1.2743	1.20	.7046	1.4193	1.1600	.3125	1 2151	1.2584	15.0791	66.6608	6.5848	.2262	3.7730
3.5	2.0642	1.2743	1.20	.7046	1.4193	1.1900	.3020	1 2554	1.2952	14.2379	66.4967	6.2857	.2268	3.7200
3.5	2.0642	1.2743	1.20	.7046	1.4193	1.2200	.2885	1 2964	1.3321	13.3054	66.5251	5.9866	.2272	3.6667
3.5	2.0642	1.2743	1.20	.7046	1.4193	1.2500	.2719	1 3381	1.3693	12.2720	66.7980	5.6875	.2273	3.6130
3.5	2.0642	1.2743	1.20	.7046	1.4193	1.2800	.2516	1 3805	1.4070	11.1216	67.3947	5.3884	.2270	3.5590
3.5	2.0642	1.2743	1.20	.7046	1.4193	1.3100	.2269	1 4238	1.4450	9.8260	68.4439	5.0893	.2263	3.5044
3.5	2.0642	1.2743	1.20	.7046	1.4193	1.3400	.1963	1 4680	1.4837	8.3330	70.1721	4.7902	.2252	3.4493
3.5	2.0642	1.2743	1.20	.7046	1.4193	1.3700	.1568	1 5132	1.5231	6.5287	73.0471	4.4911	.2235	3.3936
3.5	2.0642	1.2743	1.20	.7046	1.4193	1.4000	.0991	1 5594	1.5633	4.0493	78.4353	4.1920	.2213	3.3370
3.5	2.0642	1.2743	1.24	.7908	1.2646	.8000	.0615	7729	.7752	4.3990	86.6574	9.9081	.1933	4.7355
3.5	2.0642	1.2743	1.24	.7908	1.2646	.8300	.1225	8065	.8152	8.3962	83.1758	9.5990	.1948	4.6824
3.5	2.0642	1.2743	1.24	.7908	1.2646	.8600	.1567	8404	.8542	10.3255	81.0395	9.2900	.1962	4.6291
3.5	2.0642	1.2743	1.24	.7908	1.2646	.8900	.1801	8748	.8925	11.4381	79.4161	8.9809	.1975	4.5757
3.5	2.0642	1.2743	1.24	.7908	1.2646	.9200	.1966	9096	.9301	12.0620	78.1099	8.6718	.1988	4.5222
3.5	2.0642	1.2743	1.24	.7908	1.2646	.9500	.2079	9449	.9673	12.3460	77.0423	8.3628	.1999	4.4686
3.5	2.0642	1.2743	1.24	.7908	1.2646	.9800	.2150	9806	1.0040	12.3714	76.1782	8.0537	.2008	4.4148
3.5	2.0642	1.2743	1.24	.7908	1.2646	1.0100	.2181	1 0169	1.0403	12.1867	75.5045	7.7446	.2016	4.3608
3.5	2.0642	1.2743	1.24	.7908	1.2646	1.0400	.2177	1 0537	1.0765	11.8212	75.0237	7.4355	.2022	4.3066
3.5	2.0642	1.2743	1.24	.7908	1.2646	1.0700	.2136	1 0910	1.1125	11.2910	74.7520	7.1265	.2026	4.2521
3.5	2.0642	1.2743	1.24	.7908	1.2646	1.1000	.2059	1 1289	1.1485	10.6013	74.7214	6.8174	.2028	4.1975
3.5	2.0642	1.2743	1.24	.7908	1.2646	1.1300	.1941	1 1673	1.1844	9.7462	74.9868	6.5083	.2028	4.1425
3.5	2.0642	1.2743	1.24	.7908	1.2646	1.1600	.1776	1 2064	1.2204	8.7037	75.6411	6.1993	.2024	4.0872
3.5	2.0642	1.2743	1.24	.7908	1.2646	1.1900	.1550	1 2461	1.2566	7.4230	76.8515	5.8902	.2018	4.0315
3.5	2.0642	1.2743	1.24	.7908	1.2646	1.2200	.1235	1 2865	1.2931	5.7797	78.9731	5.5811	.2009	3.9753
3.5	2.0642	1.2743	1.24	.7908	1.2646	1.2500	.0725	1 3276	1.3299	3.3198	83.1513	5.2721	.1995	3.9186

LOOP BRANCH (MI FROM 1 TO 5)

GAMMA = 1.4

M1	MI*	DELMAX	DEL	XMIN	XMAX	X(M2U*)	Y(M2V*)	2U	M2	THETA	SIGMA	PR21	PTR21	TR21
4.0	2.1381	1.3029	1.00	.4677	2.1381	.4700	.0599	.4373	.4408	7.2603	87.9442	18.4760	.1391	4.0429
4.0	2.1381	1.3029	1.00	.4677	2.1381	.5000	.2226	4683	.5126	23.9945	82.2630	18.1617	.1431	3.9903
4.0	2.1381	1.3029	1.00	.4677	2.1381	.5300	.3061	4997	.5770	30.0068	79.2234	17.8474	.1473	3.9378
4.0	2.1381	1.3029	1.00	.4677	2.1381	.5600	.3688	5315	.6364	33.3709	76.8445	17.5331	.1517	3.8852
4.0	2.1381	1.3029	1.00	.4677	2.1381	.5900	.4203	5638	.6922	35.4623	74.8121	17.2188	.1562	3.8327
4.0	2.1381	1.3029	1.00	.4677	2.1381	.6200	.4641	5966	.7452	36.8170	73.0008	16.9045	.1610	3.7801
4.0	2.1381	1.3029	1.00	.4677	2.1381	.6500	.5024	6298	.7960	37.6999	71.3455	16.5902	.1659	3.7276
4.0	2.1381	1.3029	1.00	.4677	2.1381	.6800	.5363	.6636	.8451	38.2601	69.8073	16.2759	.1711	3.6750
4.0	2.1381	1.3029	1.00	.4677	2.1381	.7100	.5666	.6979	.8929	38.5887	68.3606	15.9616	.1764	3.6224
4.0	2.1381	1.3029	1.00	.4677	2.1381	.7400	.5938	.7327	.9395	38.7449	66.9878	15.6473	.1820	3.5699
4.0	2.1381	1.3029	1.00	.4677	2.1381	.7700	.6184	.7681	.9852	38.7691	65.6758	15.3330	.1879	3.5173
4.0	2.1381	1.3029	1.00	.4677	2.1381	.8000	.6407	.8041	1.0301	38.6897	64.4147	15.0187	.1940	3.4647
4.0	2.1381	1.3029	1.00	.4677	2.1381	.8300	.6609	.8406	1.0745	38.5273	63.1968	14.7044	.2004	3.4121
4.0	2.1381	1.3029	1.00	.4677	2.1381	.8600	.6791	.8778	1.1185	38.2972	62.0159	14.3901	.2071	3.3594
4.0	2.1381	1.3029	1.00	.4677	2.1381	.8900	.6956	.9156	1.1621	38.0110	60.8671	14.0758	.2141	3.3068
4.0	2.1381	1.3029	1.00	.4677	2.1381	.9200	.7105	.9541	1.2055	37.6776	59.7460	13.7615	.2214	3.2542
4.0	2.1381	1.3029	1.00	.4677	2.1381	.9500	.7238	.9933	1.2488	37.3040	58.6493	13.4472	.2290	3.2015
4.0	2.1381	1.3029	1.00	.4677	2.1381	.9800	.7357	1.0332	1.2919	36.8957	57.5739	13.1329	.2370	3.1489
4.0	2.1381	1.3029	1.00	.4677	2.1381	1.0100	.7462	1.0738	1.3351	36.4569	56.5170	12.8186	.2454	3.0962
4.0	2.1381	1.3029	1.00	.4677	2.1381	1.0400	.7554	1.1153	1.3784	35.9912	55.4765	12.5043	.2543	3.0435
4.0	2.1381	1.3029	1.00	.4677	2.1381	1.0700	.7633	1.1575	1.4218	35.5013	54.4503	12.1900	.2635	2.9908
4.0	2.1381	1.3029	1.00	.4677	2.1381	1.1000	.7699	1.2006	1.4655	34.9895	53.4366	11.8757	.2732	2.9380
4.0	2.1381	1.3029	1.00	.4677	2.1381	1.1300	.7754	1.2446	1.5094	34.4575	52.4336	11.5614	.2834	2.8853
4.0	2.1381	1.3029	1.00	.4677	2.1381	1.1600	.7797	1.2894	1.5537	33.9068	51.4398	11.2471	.2941	2.8325
4.0	2.1381	1.3029	1.00	.4677	2.1381	1.1900	.7828	1.3353	1.5983	33.3385	50.4539	10.9328	.3053	2.7798
4.0	2.1381	1.3029	1.00	.4677	2.1381	1.2200	.7848	1.3822	1.6434	32.7534	49.4745	10.6185	.3171	2.7269
4.0	2.1381	1.3029	1.00	.4677	2.1381	1.2500	.7857	1.4301	1.6891	32.1521	48.5003	10.3042	.3295	2.6741
4.0	2.1381	1.3029	1.00	.4677	2.1381	1.2800	.7855	1.4791	1.7354	31.5351	47.5302	9.9899	.3426	2.6213
4.0	2.1381	1.3029	1.00	.4677	2.1381	1.3100	.7841	1.5292	1.7823	30.9027	46.5629	9.6756	.3564	2.5684
4.0	2.1381	1.3029	1.00	.4677	2.1381	1.3400	.7816	1.5806	1.8299	30.2549	45.5975	9.3613	.3708	2.5154
4.0	2.1381	1.3029	1.00	.4677	2.1381	1.3700	.7780	1.6333	1.8783	29.5916	44.6327	9.0470	.3861	2.4625
4.0	2.1381	1.3029	1.00	.4677	2.1381	1.4000	.7732	1.6873	1.9276	28.9126	43.6675	8.7327	.4022	2.4095
4.0	2.1381	1.3029	1.00	.4677	2.1381	1.4300	.7673	1.7428	1.9778	28.2177	42.7008	8.4184	.4191	2.3564
4.0	2.1381	1.3029	1.00	.4677	2.1381	1.4600	.7602	1.7997	2.0291	27.5063	41.7315	8.1041	.4370	2.3033
4.0	2.1381	1.3029	1.00	.4677	2.1381	1.4900	.7519	1.8583	2.0815	26.7777	40.7584	7.7898	.4558	2.2502
4.0	2.1381	1.3029	1.00	.4677	2.1381	1.5200	.7424	1.9185	2.1351	26.0311	39.7803	7.4755	.4756	2.1969
4.0	2.1381	1.3029	1.00	.4677	2.1381	1.5500	.7315	1.9806	2.1901	25.2655	38.7960	7.1612	.4965	2.1436
4.0	2.1381	1.3029	1.00	.4677	2.1381	1.5800	.7194	2.0445	2.2465	24.4798	37.8043	6.8469	.5185	2.0903
4.0	2.1381	1.3029	1.00	.4677	2.1381	1.6100	.7058	2.1105	2.3044	23.6725	36.8036	6.5326	.5417	2.0368
4.0	2.1381	1.3029	1.00	.4677	2.1381	1.6400	.6908	2.1787	2.3641	22.8420	35.7926	6.2183	.5661	1.9832
4.0	2.1381	1.3029	1.00	.4677	2.1381	1.6700	.6743	2.2492	2.4256	21.9863	34.7695	5.9040	.5917	1.9295
4.0	2.1381	1.3029	1.00	.4677	2.1381	1.7000	.6561	2.3222	2.4892	21.1031	33.7326	5.5897	.6185	1.8757
4.0	2.1381	1.3029	1.00	.4677	2.1381	1.7300	.6362	2.3980	2.5550	20.1895	32.6799	5.2754	.6465	1.8217
4.0	2.1381	1.3029	1.00	.4677	2.1381	1.7600	.6144	2.4767	2.6232	19.2424	31.6091	4.9611	.6758	1.7675
4.0	2.1381	1.3029	1.00	.4677	2.1381	1.7900	.5905	2.5586	2.6943	18.2578	30.5177	4.6468	.7063	1.7130
4.0	2.1381	1.3029	1.00	.4677	2.1381	1.8200	.5645	2.6441	2.7683	17.2308	29.4028	4.3325	.7378	1.6583
4.0	2.1381	1.3029	1.00	.4677	2.1381	1.8500	.5359	2.7335	2.8458	16.1555	28.2609	4.0182	.7701	1.6032
4.0	2.1381	1.3029	1.00	.4677	2.1381	1.8800	.5046	2.8272	2.9272	15.0246	27.0881	3.7039	.8031	1.5477
4.0	2.1381	1.3029	1.00	.4677	2.1381	1.9100	.4702	2.9258	3.0131	13.8288	25.8795	3.3896	.8363	1.4916
4.0	2.1381	1.3029	1.00	.4677	2.1381	1.9400	.4321	3.0300	3.1042	12.5561	24.6294	3.0753	.8692	1.4348
4.0	2.1381	1.3029	1.00	.4677	2.1381	1.9700	.3897	3.1407	3.2016	11.1906	23.3303	2.7610	.9011	1.3770
4.0	2.1381	1.3029	1.00	.4677	2.1381	2.0000	.3422	3.2592	3.3065	9.7107	21.9730	2.4467	.9308	1.3180
4.0	2.1381	1.3029	1.00	.4677	2.1381	2.0300	.2884	3.3872	3.4212	8.0859	20.5454	2.1324	.9572	1.2571
4.0	2.1381	1.3029	1.00	.4677	2.1381	2.0600	.2264	3.5275	3.5488	6.2716	19.0310	1.8181	.9786	1.1936
4.0	2.1381	1.3029	1.00	.4677	2.1381	2.0900	.1534	3.6850	3.6949	4.1977	17.4065	1.5038	.9931	1.1259
4.0	2.1381	1.3029	1.00	.4677	2.1381	2.1200	.0646	3.8687	3.8705	1.7462	15.6370	1.1895	.9995	1.0510
4.0	2.1381	1.3029	1.04	.4982	2.0074	.5000	.0511	.4664	.4688	5.8314	88.1681	17.9521	.1374	4.3515
4.0	2.1381	1.3029	1.04	.4982	2.0074	.5300	.2097	.4975	.5350	21.5856	82.3762	17.6253	.1411	4.2968
4.0	2.1381	1.3029	1.04	.4982	2.0074	.5600	.2890	.5290	.5953	27.2998	79.3469	17.2984	.1448	4.2420
4.0	2.1381	1.3029	1.04	.4982	2.0074	.5900	.3483	.5610	.6515	30.5564	76.9820	16.9715	.1487	4.1873
4.0	2.1381	1.3029	1.04	.4982	2.0074	.6200	.3966	.5934	.7044	32.6088	74.9640	16.6447	.1527	4.1326
4.0	2.1381	1.3029	1.04	.4982	2.0074	.6500	.4376	.6263	.7550	33.9525	73.1673	16.3178	.1568	4.0778
4.0	2.1381	1.3029	1.04	.4982	2.0074	.6800	.4732	.6596	.8036	34.8359	71.5267	15.9909	.1611	4.0231
4.0	2.1381	1.3029	1.04	.4982	2.0074	.7100	.5046	.6935	.8507	35.4005	70.0033	15.6640	.1656	3.9683
4.0	2.1381	1.3029	1.04	.4982	2.0074	.7400	.5324	.7278	.8966	35.7339	68.5717	15.3372	.1702	3.9135
4.0	2.1381	1.3029	1.04	.4982	2.0074	.7700	.5573	.7627	.9414	35.8936	67.2141	15.0103	.1750	3.8587
4.0	2.1381	1.3029	1.04	.4982	2.0074	.8000	.5795	.7981	.9855	35.9189	65.9176	14.6834	.1800	3.8039
4.0	2.1381	1.3029	1.04	.4982	2.0074	.8300	.5994	.8340	1.0288	35.8379	64.6725	14.3566	.1852	3.7491
4.0	2.1381	1.3029	1.04	.4982	2.0074	.8600	.6173	.8706	1.0716	35.6709	63.4711	14.0297	.1905	3.6942
4.0	2.1381	1.3029	1.04	.4982	2.0074	.8900	.6333	.9077	1.1140	35.4333	62.3073	13.7028	.1961	3.6394
4.0	2.1381	1.3029	1.04	.4982	2.0074	.9200	.6475	.9455	1.1561	35.1366	61.1761	13.3760	.2019	3.5845
4.0	2.1381	1.3029	1.04	.4982	2.0074	.9500	.6600	.9838	1.1980	34.7896	60.0735	13.0491	.2079	3.5296
4.0	2.1381	1.3029	1.04	.4982	2.0074	.9800	.6710	1.0229	1.2397	34.3995	58.9961	12.7222	.2141	3.4747
4.0	2.1381	1.3029	1.04	.4982	2.0074	1.0100	.6805	1.0627	1.2814	33.9716	57.9408	12.3953	.2206	3.4197
4.0	2.1381	1.3029	1.04	.4982	2.0074	1.0400	.6886	1.1031	1.3230	33.5104	56.9053	12.0685	.2273	3.3648
4.0	2.1381	1.3029	1.04	.4982	2.0074	1.0700	.6954	1.1443	1.3648	33.0191	55.8872	11.7416	.2342	3.3098
4.0	2.1381	1.3029	1.04	.4982	2.0074	1.1000	.7008	1.1863	1.4066	32.5007	54.8848	11.4147	.2415	3.2548
4.0	2.1381	1.3029	1.04	.4982	2.0074	1.1300	.7049	1.2291	1.4487	31.9573	53.8963	11.0879	.2490	3.1997
4.0	2.1381	1.3029	1.04	.4982	2.0074	1.1600	.7078	1.2727	1.4910	31.3905	52.9202	10.7610	.2568	3.1446
4.0	2.1381	1.3029	1.04	.4982	2.0074	1.1900	.7094	1.3173	1.5336	30.8018	51.9552	10.4341	.2649	3.0895
4.0	2.1381	1.3029	1.04	.4982	2.0074	1.2200	.7098	1.3627	1.5765	30.1920	51.0002	10.1072	.2733	3.0343
4.0	2.1381	1.3029	1.04	.4982	2.0074	1.2500	.7090	1.4091	1.6199	29.5618	50.0541	9.7804	.2820	2.9791
4.0	2.1381	1.3029	1.04	.4982	2.0074	1.2800	.7069	1.4565	1.6638	28.9117	49.1159	9.4535	.2911	2.9239
4.0	2.1381	1.3029	1.04	.4982	2.0074	1.3100	.7036	1.5049	1.7083	28.2419	48.1849	9.1266	.3004	2.8686
4.0	2.1381	1.3029	1.04	.4982	2.0074	1.3400	.6991	1.5544	1.7533	27.5523	47.2603	8.7998	.3101	2.8132
4.0	2.1381	1.3029	1.04	.4982	2.0074	1.3700	.6933	1.6051	1.7990	26.8427	46.3415	8.4729	.3201	2.7577
4.0	2.1381	1.3029	1.04	.4982	2.0074	1.4000	.6862	1.6570	1.8454	26.1127	45.4282	8.1460	.3305	2.7022
4.0	2.1381	1.3029	1.04	.4982	2.0074	1.4300	.6778	1.7102	1.8927	25.3615	44.5198	7.8191	.3412	2.6466
4.0	2.1381	1.3029	1.04	.4982	2.0074	1.4600	.6681	1.7648	1.9408	24.5883	43.6164	7.4923	.3522	2.5909
4.0	2.1381	1.3029	1.04	.4982	2.0074	1.4900	.6569	1.8208	1.9899	23.7920	42.7179	7.1654	.3635	2.5351
4.0	2.1381	1.3029	1.04	.4982	2.0074	1.5200	.6443	1.8783	2.0400	22.9712	41.8247	6.8385	.3751	2.4792
4.0	2.1381	1.3029	1.04	.4982	2.0074	1.5500	.6301	1.9374	2.0914	22.1241	40.9373	6.5117	.3869	2.4231
4.0	2.1381	1.3029	1.04	.4982	2.0074	1.5800	.6144	1.9982	2.1440	21.2487	40.0568	6.1848	.3990	2.3669
4.0	2.1381	1.3029	1.04	.4982	2.0074	1.6100	.5969	2.0609	2.1979	20.3424	39.1850	5.8579	.4112	2.3104
4.0	2.1381	1.3029	1.04	.4982	2.0074	1.6400	.5776	2.1255	2.2535	19.4024	38.3244	5.5310	.4235	2.2538
4.0	2.1381	1.3029	1.04	.4982	2.0074	1.6700	.5563	2.1922	2.3107	18.4249	37.4788	5.2042	.4358	2.1968
4.0	2.1381	1.3029	1.04	.4982	2.0074	1.7000	.5329	2.2613	2.3698	17.4057	36.6540	4.8773	.4480	2.1396
4.0	2.1381	1.3029	1.04	.4982	2.0074	1.7300	.5072	2.3328	2.4310	16.3391	35.8585	4.5504	.4598	2.0820
4.0	2.1381	1.3029	1.04	.4982	2.0074	1.7600	.4788	2.4071	2.4945	15.2186	35.1055	4.2236	.4712	2.0239
4.0	2.1381	1.3029	1.04	.4982	2.0074	1.7900	.4475	2.4844	2.5608	14.0354	34.4156	3.8967	.4819	1.9652
4.0	2.1381	1.3029	1.04	.4982	2.0074	1.8200	.4128	2.5651	2.6302	12.7787	33.8226	3.5698	.4916	1.9058
4.0	2.1381	1.3029	1.04	.4982	2.0074	1.8500	.3742	2.6496	2.7033	11.4337	33.3848	3.2429	.4998	1.8455
4.0	2.1381	1.3029	1.04	.4982	2.0074	1.8800	.3308	2.7387	2.7808	9.9801	33.2106	2.9161	.5061	1.7839
4.0	2.1381	1.3029	1.04	.4982	2.0074	1.9100	.2816	2.8331	2.8637	8.3880	33.5227	2.5892	.5099	1.7206
4.0	2.1381	1.3029	1.04	.4982	2.0074	1.9400	.2248	2.9341	2.9537	6.6089	34.8603	2.2623	.5105	1.6550
4.0	2.1381	1.3029	1.04	.4982	2.0074	1.9700	.1566	3.0437	3.0533	4.5439	38.9533	1.9355	.5071	1.5859
4.0	2.1381	1.3029	1.04	.4982	2.0074	2.0000	.0618	3.1653	3.1668	1.7705	57.3739	1.6086	.4988	1.5113

4.0	2.1381	1.3029	1.08	.5316	1.8812	.5400	.1027	.5059	.5149	10.7663	86.1287	17.2900	.1364	4.6522
4.0	2.1381	1.3029	1.08	.5316	1.8812	.5700	.2167	.5373	.5748	20.8134	81.7117	16.9506	.1397	4.5953
4.0	2.1381	1.3029	1.08	.5316	1.8812	.6000	.2856	.5691	.6302	25.4547	78.9123	16.6111	.1430	4.5383
4.0	2.1381	1.3029	1.08	.5316	1.8812	.6300	.3382	.6013	.6825	28.2311	76.6687	16.2717	.1464	4.4814
4.0	2.1381	1.3029	1.08	.5316	1.8812	.6600	.3814	.6340	.7322	30.0227	74.7336	15.9323	.1499	4.4245
4.0	2.1381	1.3029	1.08	.5316	1.8812	.6900	.4180	.6671	.7800	31.2088	73.0010	15.5928	.1535	4.3675
4.0	2.1381	1.3029	1.08	.5316	1.8812	.7200	.4497	.7007	.8261	31.9891	71.4140	15.2534	.1572	4.3105
4.0	2.1381	1.3029	1.08	.5316	1.8812	.7500	.4775	.7348	.8710	32.4813	69.9377	14.9139	.1610	4.2535
4.0	2.1381	1.3029	1.08	.5316	1.8812	.7800	.5019	.7693	.9148	32.7603	68.5491	14.5745	.1650	4.1965
4.0	2.1381	1.3029	1.08	.5316	1.8812	.8100	.5235	.8044	.9578	32.8761	67.2319	14.2350	.1691	4.1394
4.0	2.1381	1.3029	1.08	.5316	1.8812	.8400	.5427	.8400	1.0001	32.8638	65.9742	13.8956	.1732	4.0823
4.0	2.1381	1.3029	1.08	.5316	1.8812	.8700	.5596	.8762	1.0417	32.7486	64.7671	13.5561	.1776	4.0252
4.0	2.1381	1.3029	1.08	.5316	1.8812	.9000	.5744	.9129	1.0830	32.5489	63.6034	13.2167	.1820	3.9681
4.0	2.1381	1.3029	1.08	.5316	1.8812	.9300	.5874	.9502	1.1238	32.2788	62.4775	12.8773	.1866	3.9110
4.0	2.1381	1.3029	1.08	.5316	1.8812	.9600	.5987	.9881	1.1645	31.9488	61.3850	12.5378	.1912	3.8538
4.0	2.1381	1.3029	1.08	.5316	1.8812	.9900	.6083	1.0266	1.2049	31.5674	60.3221	12.1984	.1961	3.7966
4.0	2.1381	1.3029	1.08	.5316	1.8812	1.0200	.6163	1.0658	1.2452	31.1410	59.2858	11.8589	.2010	3.7393
4.0	2.1381	1.3029	1.08	.5316	1.8812	1.0500	.6228	1.1056	1.2855	30.6745	58.2736	11.5195	.2061	3.6820
4.0	2.1381	1.3029	1.08	.5316	1.8812	1.0800	.6279	1.1462	1.3258	30.1720	57.2833	11.1800	.2113	3.6247
4.0	2.1381	1.3029	1.08	.5316	1.8812	1.1100	.6315	1.1874	1.3662	29.6366	56.3133	10.8406	.2167	3.5673
4.0	2.1381	1.3029	1.08	.5316	1.8812	1.1400	.6338	1.2295	1.4067	29.0708	55.3620	10.5012	.2222	3.5098
4.0	2.1381	1.3029	1.08	.5316	1.8812	1.1700	.6346	1.2723	1.4474	28.4764	54.4285	10.1617	.2278	3.4524
4.0	2.1381	1.3029	1.08	.5316	1.8812	1.2000	.6342	1.3159	1.4884	27.8547	53.5118	9.8223	.2335	3.3948
4.0	2.1381	1.3029	1.08	.5316	1.8812	1.2300	.6323	1.3604	1.5297	27.2067	52.6115	9.4828	.2394	3.3372
4.0	2.1381	1.3029	1.08	.5316	1.8812	1.2600	.6291	1.4058	1.5713	26.5331	51.7270	9.1434	.2453	3.2795
4.0	2.1381	1.3029	1.08	.5316	1.8812	1.2900	.6246	1.4521	1.6134	25.8339	50.8586	8.8039	.2514	3.2217
4.0	2.1381	1.3029	1.08	.5316	1.8812	1.3200	.6186	1.4994	1.6559	25.1092	50.0065	8.4645	.2575	3.1638
4.0	2.1381	1.3029	1.08	.5316	1.8812	1.3500	.6112	1.5478	1.6990	24.3585	49.1714	8.1251	.2637	3.1058
4.0	2.1381	1.3029	1.08	.5316	1.8812	1.3800	.6024	1.5972	1.7427	23.5811	48.3546	7.7856	.2700	3.0477
4.0	2.1381	1.3029	1.08	.5316	1.8812	1.4100	.5920	1.6477	1.7870	22.7760	47.5577	7.4462	.2763	2.9895
4.0	2.1381	1.3029	1.08	.5316	1.8812	1.4400	.5801	1.6994	1.8322	21.9417	46.7834	7.1067	.2825	2.9311
4.0	2.1381	1.3029	1.08	.5316	1.8812	1.4700	.5665	1.7524	1.8781	21.0763	46.0352	6.7673	.2887	2.8725
4.0	2.1381	1.3029	1.08	.5316	1.8812	1.5000	.5512	1.8068	1.9249	20.1776	45.3179	6.4278	.2948	2.8137
4.0	2.1381	1.3029	1.08	.5316	1.8812	1.5300	.5341	1.8626	1.9728	19.2428	44.6381	6.0884	.3008	2.7547
4.0	2.1381	1.3029	1.08	.5316	1.8812	1.5600	.5150	1.9199	2.0218	18.2681	44.0051	5.7490	.3065	2.6954
4.0	2.1381	1.3029	1.08	.5316	1.8812	1.5900	.4937	1.9788	2.0720	17.2493	43.4319	5.4095	.3119	2.6357
4.0	2.1381	1.3029	1.08	.5316	1.8812	1.6200	.4701	2.0395	2.1236	16.1807	42.9372	5.0701	.3168	2.5757
4.0	2.1381	1.3029	1.08	.5316	1.8812	1.6500	.4438	2.1021	2.1768	15.0553	42.5484	4.7306	.3213	2.5152
4.0	2.1381	1.3029	1.08	.5316	1.8812	1.6800	.4146	2.1668	2.2318	13.8637	42.3071	4.3912	.3250	2.4541
4.0	2.1381	1.3029	1.08	.5316	1.8812	1.7100	.3820	2.2338	2.2889	12.5937	42.2799	4.0517	.3279	2.3922
4.0	2.1381	1.3029	1.08	.5316	1.8812	1.7400	.3454	2.3034	2.3484	11.2280	42.5781	3.7123	.3298	2.3295
4.0	2.1381	1.3029	1.08	.5316	1.8812	1.7700	.3038	2.3760	2.4107	9.7406	43.4048	3.3729	.3303	2.2656
4.0	2.1381	1.3029	1.08	.5316	1.8812	1.8000	.2558	2.4520	2.4766	8.0890	45.1735	3.0334	.3291	2.2000
4.0	2.1381	1.3029	1.08	.5316	1.8812	1.8300	.1984	2.5320	2.5469	6.1879	48.8922	2.6940	.3261	2.1324
4.0	2.1381	1.3029	1.08	.5316	1.8812	1.8600	.1230	2.6172	2.6230	3.7835	58.0692	2.3545	.3206	2.0618
4.0	2.1381	1.3029	1.12	.5689	1.7577	.5700	.0343	.5351	.5360	3.4447	88.6448	16.7117	.1338	4.9822
4.0	2.1381	1.3029	1.12	.5689	1.7577	.6000	.1828	.5666	.5923	16.9462	82.6652	16.3597	.1366	4.9230
4.0	2.1381	1.3029	1.12	.5689	1.7577	.6300	.2528	.5986	.6449	21.8619	79.6956	16.0077	.1395	4.8639
4.0	2.1381	1.3029	1.12	.5689	1.7577	.6600	.3043	.6309	.6947	24.7514	77.3912	15.6557	.1424	4.8047
4.0	2.1381	1.3029	1.12	.5689	1.7577	.6900	.3457	.6637	.7423	26.6116	75.4330	15.3037	.1453	4.7455
4.0	2.1381	1.3029	1.12	.5689	1.7577	.7200	.3803	.6969	.7882	27.8453	73.6958	14.9516	.1484	4.6863
4.0	2.1381	1.3029	1.12	.5689	1.7577	.7500	.4099	.7306	.8326	28.6595	72.1153	14.5996	.1515	4.6270
4.0	2.1381	1.3029	1.12	.5689	1.7577	.7800	.4355	.7647	.8758	29.1754	70.6532	14.2476	.1546	4.5677
4.0	2.1381	1.3029	1.12	.5689	1.7577	.8100	.4577	.7993	.9181	29.4696	69.2846	13.8956	.1579	4.5084
4.0	2.1381	1.3029	1.12	.5689	1.7577	.8400	.4771	.8344	.9596	29.5932	67.9925	13.5436	.1612	4.4491
4.0	2.1381	1.3029	1.12	.5689	1.7577	.8700	.4939	.8701	1.0005	29.5820	66.7644	13.1916	.1646	4.3897
4.0	2.1381	1.3029	1.12	.5689	1.7577	.9000	.5084	.9062	1.0408	29.4618	65.5911	12.8395	.1680	4.3303
4.0	2.1381	1.3029	1.12	.5689	1.7577	.9300	.5209	.9429	1.0807	29.2514	64.4655	12.4875	.1715	4.2708
4.0	2.1381	1.3029	1.12	.5689	1.7577	.9600	.5314	.9802	1.1203	28.9652	63.3822	12.1355	.1750	4.2113
4.0	2.1381	1.3029	1.12	.5689	1.7577	.9900	.5401	1.0181	1.1597	28.6138	62.3370	11.7835	.1786	4.1518
4.0	2.1381	1.3029	1.12	.5689	1.7577	1.0200	.5471	1.0565	1.1989	28.2058	61.3264	11.4315	.1823	4.0921
4.0	2.1381	1.3029	1.12	.5689	1.7577	1.0500	.5524	1.0956	1.2380	27.7476	60.3480	11.0795	.1860	4.0325
4.0	2.1381	1.3029	1.12	.5689	1.7577	1.0800	.5561	1.1354	1.2770	27.2441	59.3999	10.7275	.1898	3.9727
4.0	2.1381	1.3029	1.12	.5689	1.7577	1.1100	.5583	1.1758	1.3161	26.6994	58.4808	10.3754	.1935	3.9129
4.0	2.1381	1.3029	1.12	.5689	1.7577	1.1400	.5589	1.2169	1.3553	26.1161	57.5898	10.0234	.1973	3.8531
4.0	2.1381	1.3029	1.12	.5689	1.7577	1.1700	.5580	1.2588	1.3946	25.4967	56.7268	9.6714	.2012	3.7931
4.0	2.1381	1.3029	1.12	.5689	1.7577	1.2000	.5556	1.3014	1.4341	24.8424	55.8920	9.3194	.2050	3.7330
4.0	2.1381	1.3029	1.12	.5689	1.7577	1.2300	.5516	1.3448	1.4738	24.1543	55.0863	8.9674	.2088	3.6729
4.0	2.1381	1.3029	1.12	.5689	1.7577	1.2600	.5461	1.3890	1.5139	23.4328	54.3113	8.6154	.2125	3.6126
4.0	2.1381	1.3029	1.12	.5689	1.7577	1.2900	.5390	1.4342	1.5543	22.6777	53.5695	8.2633	.2163	3.5521
4.0	2.1381	1.3029	1.12	.5689	1.7577	1.3200	.5303	1.4802	1.5952	21.8883	52.8643	7.9113	.2199	3.4916
4.0	2.1381	1.3029	1.12	.5689	1.7577	1.3500	.5199	1.5272	1.6365	21.0636	52.2003	7.5593	.2234	3.4308
4.0	2.1381	1.3029	1.12	.5689	1.7577	1.3800	.5078	1.5752	1.6784	20.2018	51.5840	7.2073	.2268	3.3699
4.0	2.1381	1.3029	1.12	.5689	1.7577	1.4100	.4938	1.6242	1.7209	19.3006	51.0241	6.8553	.2300	3.3087
4.0	2.1381	1.3029	1.12	.5689	1.7577	1.4400	.4778	1.6744	1.7642	18.3568	50.5323	6.5033	.2330	3.2472
4.0	2.1381	1.3029	1.12	.5689	1.7577	1.4700	.4597	1.7258	1.8082	17.3663	50.1249	6.1513	.2357	3.1855
4.0	2.1381	1.3029	1.12	.5689	1.7577	1.5000	.4393	1.7784	1.8531	16.3238	49.8247	5.7992	.2381	3.1233
4.0	2.1381	1.3029	1.12	.5689	1.7577	1.5300	.4163	1.8324	1.8991	15.2224	49.6644	5.4472	.2400	3.0608
4.0	2.1381	1.3029	1.12	.5689	1.7577	1.5600	.3905	1.8879	1.9462	14.0525	49.6925	5.0952	.2415	2.9977
4.0	2.1381	1.3029	1.12	.5689	1.7577	1.5900	.3613	1.9450	1.9946	12.8013	49.9838	4.7432	.2424	2.9340
4.0	2.1381	1.3029	1.12	.5689	1.7577	1.6200	.3281	2.0038	2.0445	11.4499	50.6596	4.3912	.2425	2.8695
4.0	2.1381	1.3029	1.12	.5689	1.7577	1.6500	.2900	2.0646	2.0963	9.9689	51.9326	4.0392	.2419	2.8041
4.0	2.1381	1.3029	1.12	.5689	1.7577	1.6800	.2453	2.1276	2.1502	8.3071	54.2152	3.6872	.2402	2.7374
4.0	2.1381	1.3029	1.12	.5689	1.7577	1.7100	.1905	2.1932	2.2067	6.3551	58.4602	3.3351	.2374	2.6690
4.0	2.1381	1.3029	1.12	.5689	1.7577	1.7400	.1141	2.2617	2.2666	3.7531	67.8441	2.9831	.2331	2.5986

4.0	2.1381	1.3029	1.16	.6118	1.6346	.6200	.0880	.5854	.5913	8.0792	86.3114	15.8652	.1324	5.2822
4.0	2.1381	1.3029	1.16	.6118	1.6346	.6500	.1867	.6174	.6423	16.0224	82.0415	15.5006	.1347	5.2207
4.0	2.1381	1.3029	1.16	.6118	1.6346	.6800	.2453	.6497	.6907	19.8359	79.3559	15.1360	.1371	5.1593
4.0	2.1381	1.3029	1.16	.6118	1.6346	.7100	.2894	.6824	.7369	22.1739	77.2147	14.7714	.1396	5.0978
4.0	2.1381	1.3029	1.16	.6118	1.6346	.7400	.3249	.7156	.7815	23.7016	75.3776	14.4069	.1420	5.0363
4.0	2.1381	1.3029	1.16	.6118	1.6346	.7700	.3544	.7492	.8247	24.7128	73.7422	14.0423	.1445	4.9748
4.0	2.1381	1.3029	1.16	.6118	1.6346	.8000	.3793	.7833	.8668	25.3663	72.2537	13.6777	.1470	4.9132
4.0	2.1381	1.3029	1.16	.6118	1.6346	.8300	.4005	.8178	.9080	25.7584	70.8787	13.3131	.1496	4.8516
4.0	2.1381	1.3029	1.16	.6118	1.6346	.8600	.4185	.8528	.9484	25.9512	69.5956	12.9485	.1522	4.7899
4.0	2.1381	1.3029	1.16	.6118	1.6346	.8900	.4338	.8883	.9882	25.9875	68.3894	12.5839	.1547	4.7281
4.0	2.1381	1.3029	1.16	.6118	1.6346	.9200	.4467	.9243	1.0274	25.8974	67.2494	12.2193	.1573	4.6663
4.0	2.1381	1.3029	1.16	.6118	1.6346	.9500	.4573	.9608	1.0663	25.7027	66.1678	11.8547	.1599	4.6045
4.0	2.1381	1.3029	1.16	.6118	1.6346	.9800	.4658	.9979	1.1048	25.4197	65.1390	11.4902	.1625	4.5426
4.0	2.1381	1.3029	1.16	.6118	1.6346	1.0100	.4723	1.0355	1.1431	25.0607	64.1591	11.1256	.1651	4.4806
4.0	2.1381	1.3029	1.16	.6118	1.6346	1.0400	.4769	1.0737	1.1812	24.6348	63.2254	10.7610	.1677	4.4185
4.0	2.1381	1.3029	1.16	.6118	1.6346	1.0700	.4797	1.1125	1.2192	24.1492	62.3362	10.3964	.1703	4.3563
4.0	2.1381	1.3029	1.16	.6118	1.6346	1.1000	.4808	1.1520	1.2572	23.6091	61.4910	10.0318	.1728	4.2941
4.0	2.1381	1.3029	1.16	.6118	1.6346	1.1300	.4801	1.1921	1.2952	23.0184	60.6905	9.6672	.1753	4.2317
4.0	2.1381	1.3029	1.16	.6118	1.6346	1.1600	.4776	1.2329	1.3333	22.3798	59.9360	9.3026	.1777	4.1692
4.0	2.1381	1.3029	1.16	.6118	1.6346	1.1900	.4734	1.2744	1.3715	21.6951	59.2306	8.9380	.1800	4.1065
4.0	2.1381	1.3029	1.16	.6118	1.6346	1.2200	.4675	1.3166	1.4100	20.9650	58.5783	8.5735	.1822	4.0437
4.0	2.1381	1.3029	1.16	.6118	1.6346	1.2500	.4597	1.3596	1.4486	20.1895	57.9851	8.2089	.1843	3.9808
4.0	2.1381	1.3029	1.16	.6118	1.6346	1.2800	.4499	1.4034	1.4876	19.3677	57.4592	7.8443	.1863	3.9176
4.0	2.1381	1.3029	1.16	.6118	1.6346	1.3100	.4383	1.4481	1.5270	18.4976	57.0119	7.4797	.1881	3.8542
4.0	2.1381	1.3029	1.16	.6118	1.6346	1.3400	.4245	1.4936	1.5668	17.5764	56.6584	7.1151	.1896	3.7905
4.0	2.1381	1.3029	1.16	.6118	1.6346	1.3700	.4084	1.5401	1.6071	16.5997	56.4200	6.7505	.1910	3.7265
4.0	2.1381	1.3029	1.16	.6118	1.6346	1.4000	.3899	1.5876	1.6480	15.5615	56.3260	6.3859	.1920	3.6622
4.0	2.1381	1.3029	1.16	.6118	1.6346	1.4300	.3686	1.6362	1.6897	14.4535	56.4192	6.0213	.1927	3.5974
4.0	2.1381	1.3029	1.16	.6118	1.6346	1.4600	.3441	1.6859	1.7321	13.2635	56.7627	5.6568	.1930	3.5322
4.0	2.1381	1.3029	1.16	.6118	1.6346	1.4900	.3160	1.7368	1.7754	11.9741	57.4549	5.2922	.1929	3.4663
4.0	2.1381	1.3029	1.16	.6118	1.6346	1.5200	.2833	1.7890	1.8198	10.5574	58.6582	4.9276	.1922	3.3997
4.0	2.1381	1.3029	1.16	.6118	1.6346	1.5500	.2445	1.8427	1.8655	8.9657	60.6659	4.5630	.1909	3.3322
4.0	2.1381	1.3029	1.16	.6118	1.6346	1.5800	.1968	1.8980	1.9127	7.1012	64.0892	4.1984	.1889	3.2636
4.0	2.1381	1.3029	1.16	.6118	1.6346	1.6100	.1319	1.9551	1.9617	4.6842	70.6271	3.8338	.1862	3.1936
4.0	2.1381	1.3029	1.20	.6628	1.5087	.6700	.0744	.6362	.6401	6.3396	86.6765	14.9768	.1299	5.5899
4.0	2.1381	1.3029	1.20	.6628	1.5087	.7000	.1664	.6685	.6871	13.3684	82.4302	14.5996	.1319	5.5262
4.0	2.1381	1.3029	1.20	.6628	1.5087	.7300	.2192	.7012	.7321	16.7144	79.8285	14.2225	.1338	5.4624
4.0	2.1381	1.3029	1.20	.6628	1.5087	.7600	.2582	7343	.7756	18.7664	77.7747	13.8453	.1357	5.3986
4.0	2.1381	1.3029	1.20	.6628	1.5087	.7900	.2891	7679	.8177	20.0984	76.0277	13.4681	.1376	5.3347
4.0	2.1381	1.3029	1.20	.6628	1.5087	.8200	.3142	8019	.8587	20.9637	74.4861	13.0910	.1395	5.2707
4.0	2.1381	1.3029	1.20	.6628	1.5087	.8500	.3348	8363	.8988	21.5000	73.0966	12.7138	.1414	5.2067
4.0	2.1381	1.3029	1.20	.6628	1.5087	.8800	.3518	8712	.9382	21.7915	71.8274	12.3367	.1433	5.1426
4.0	2.1381	1.3029	1.20	.6628	1.5087	.9100	.3657	9065	.9770	21.8929	70.6582	11.9595	.1452	5.0785
4.0	2.1381	1.3029	1.20	.6628	1.5087	.9400	.3768	9424	1.0153	21.8420	69.5758	11.5823	.1470	5.0142
4.0	2.1381	1.3029	1.20	.6628	1.5087	.9700	.3853	9788	1.0532	21.6653	68.5714	11.2052	.1488	4.9499
4.0	2.1381	1.3029	1.20	.6628	1.5087	1.0000	.3915	1 0157	1.0908	21.3821	67.6396	10.8280	.1505	4.8855
4.0	2.1381	1.3029	1.20	.6628	1.5087	1.0300	.3955	1.0531	1.1281	21.0065	66.7774	10.4509	.1522	4.8209
4.0	2.1381	1.3029	1.20	.6628	1.5087	1.0600	.3973	1 .0912	1.1653	20.5489	65.9842	10.0737	.1538	4.7563
4.0	2.1381	1.3029	1.20	.6628	1.5087	1.0900	.3971	1.1298	1.2024	20.0168	65.2614	9.6966	.1553	4.6915
4.0	2.1381	1.3029	1.20	.6628	1.5087	1.1200	.3947	1 1690	1.2395	19.4152	64.6124	9.3194	.1568	4.6265
4.0	2.1381	1.3029	1.20	.6628	1.5087	1.1500	.3903	1. 2088	1.2766	18.7473	64.0434	8.9422	.1581	4.5614
4.0	2.1381	1.3029	1.20	.6628	1.5087	1.1800	.3837	1 2493	1.3138	18.0148	63.5633	8.5651	.1593	4.4960
4.0	2.1381	1.3029	1.20	.6628	1.5087	1.2100	.3750	1 2906	1.3511	17.2173	63.1849	8.1879	.1603	4.4305
4.0	2.1381	1.3029	1.20	.6628	1.5087	1.2400	.3638	1 3325	1.3887	16.3528	62.9259	7.8108	.1611	4.3647
4.0	2.1381	1.3029	1.20	.6628	1.5087	1.2700	.3502	1 3752	1.4265	15.4172	62.8114	7.4336	.1617	4.2986
4.0	2.1381	1.3029	1.20	.6628	1.5087	1.3000	.3339	1 4187	1.4647	14.4039	62.8768	7.0564	.1621	4.2321
4.0	2.1381	1.3029	1.20	.6628	1.5087	1.3300	.3145	1 4630	1.5033	13.3021	63.1738	6.6793	.1623	4.1653
4.0	2.1381	1.3029	1.20	.6628	1.5087	1.3600	.2915	1 5082	1.5425	12.0958	63.7804	6.3021	.1621	4.0980
4.0	2.1381	1.3029	1.20	.6628	1.5087	1.3900	.2641	1 5544	1.5822	10.7586	64.8207	5.9250	.1616	4.0301
4.0	2.1381	1.3029	1.20	.6628	1.5087	1.4200	.2311	1 6016	1.6227	9.2449	66.5092	5.5478	.1606	3.9616
4.0	2.1381	1.3029	1.20	.6628	1.5087	1.4500	.1899	1 6500	1.6641	7.4630	69.2670	5.1706	.1593	3.8923
4.0	2.1381	1.3029	1.20	.6628	1.5087	1.4800	.1338	1 6995	1.7065	5.1667	74.1643	4.7935	.1574	3.8220
4.0	2.1381	1.3029	1.24	.7282	1.3732	.7300	.0326	6982	.6989	2.5561	88.4314	13.9165	.1270	5.8832
4.0	2.1381	1.3029	1.24	.7282	1.3732	.7600	.1336	7310	.7422	9.9677	83.4321	13.5268	.1284	5.8170
4.0	2.1381	1.3029	1.24	.7282	1.3732	.7900	.1813	7642	.7841	12.9279	80.8836	13.1371	.1298	5.7508
4.0	2.1381	1.3029	1.24	.7282	1.3732	.8200	.2149	7979	.8248	14.6882	78.9442	12.7474	.1312	5.6845
4.0	2.1381	1.3029	1.24	.7282	1.3732	.8500	.2404	8319	.8646	15.7925	77.3379	12.3576	.1325	5.6181
4.0	2.1381	1.3029	1.24	.7282	1.3732	.8800	.2601	8664	.9035	16.4688	75.9570	11.9679	.1338	5.5516
4.0	2.1381	1.3029	1.24	.7282	1.3732	.9100	.2754	9014	.9418	16.8386	74.7479	11.5782	.1350	5.4850
4.0	2.1381	1.3029	1.24	.7282	1.3732	.9400	.2869	9368	.9795	16.9751	73.6812	11.1884	.1362	5.4183
4.0	2.1381	1.3029	1.24	.7282	1.3732	.9700	.2952	9727	1.0168	16.9255	72.7402	10.7987	.1373	5.3514
4.0	2.1381	1.3029	1.24	.7282	1.3732	1.0000	.3004	1 0091	1.0537	16.7218	71.9165	10.4090	.1383	5.2845
4.0	2.1381	1.3029	1.24	.7282	1.3732	1.0300	.3029	1.0461	1.0904	16.3857	71.2079	10.0192	.1392	5.2173
4.0	2.1381	1.3029	1.24	.7282	1.3732	1.0600	.3026	1. 0836	1.1269	15.9318	70.6172	9.6295	.1400	5.1500
4.0	2.1381	1.3029	1.24	.7282	1.3732	1.0900	.2996	1.1216	1.1632	15.3697	70.1527	9.2398	.1407	5.0825
4.0	2.1381	1.3029	1.24	.7282	1.3732	1.1200	.2939	1.1602	1.1995	14.7041	69.8286	8.8500	.1413	5.0148
4.0	2.1381	1.3029	1.24	.7282	1.3732	1.1500	.2854	1.1995	1.2358	13.9360	69.6667	8.4603	.1416	4.9468
4.0	2.1381	1.3029	1.24	.7282	1.3732	1.1800	.2738	1.2393	1.2723	13.0615	69.6999	8.0706	.1418	4.8786
4.0	2.1381	1.3029	1.24	.7282	1.3732	1.2100	.2588	1. 2799	1.3088	12.0713	69.9768	7.6808	.1419	4.8100
4.0	2.1381	1.3029	1.24	.7282	1.3732	1.2400	.2399	1.3211	1.3456	10.9474	70.5728	7.2911	.1416	4.7411
4.0	2.1381	1.3029	1.24	.7282	1.3732	1.2700	.2161	1.3631	1.3827	9.6576	71.6102	6.9014	.1412	4.6717
4.0	2.1381	1.3029	1.24	.7282	1.3732	1.3000	.1859	1.4058	1.4202	8.1391	73.3089	6.5117	.1404	4.6017
4.0	2.1381	1.3029	1.24	.7282	1.3732	1.3300	.1456	1.4494	1.4581	6.2474	76.1391	6.1219	.1393	4.5312
4.0	2.1381	1.3029	1.24	.7282	1.3732	1.3600	.0819	1.4939	1.4966	3.4482	81.6756	5.7322	.1379	4.4599
4.0	2.1381	1.3029	1.28	.8279	1.2079	.8300	.0269	.8054	.8058	1.8540	88.5479	12.2696	.1239	6.0904
4.0	2.1381	1.3029	1.28	.8279	1.2079	.8600	.1004	.8392	.8450	6.6611	84.4298	11.8673	.1247	6.0215
4.0	2.1381	1.3029	1.28	.8279	1.2079	.8900	.1333	.8735	.8833	8.5168	82.4072	11.4650	.1254	5.9525
4.0	2.1381	1.3029	1.28	.8279	1.2079	.9200	.1541	.9083	.9209	9.5117	80.9687	11.0627	.1261	5.8833
4.0	2.1381	1.3029	1.28	.8279	1.2079	.9500	.1676	.9435	.9580	10.0065	79.8874	10.6604	.1266	5.8140
4.0	2.1381	1.3029	1.28	.8279	1.2079	.9800	.1755	.9791	.9947	10.1504	79.0849	10.2581	.1271	5.7445
4.0	2.1381	1.3029	1.28	.8279	1.2079	1.0100	.1784	1.0153	1.0310	10.0194	78.5350	9.8558	.1274	5.6748
4.0	2.1381	1.3029	1.28	.8279	1.2079	1.0400	.1769	1.0519	1.0671	9.6531	78.2416	9.4535	.1277	5.6049
4.0	2.1381	1.3029	1.28	.8279	1.2079	1.0700	.1708	1.0891	1.1029	9.0672	78.2343	9.0512	.1277	5.5348
4.0	2.1381	1.3029	1.28	.8279	1.2079	1.1000	.1596	1.1269	1.1387	8.2554	78.5761	8.6489	.1277	5.4643
4.0	2.1381	1.3029	1.28	.8279	1.2079	1.1300	.1424	1.1652	1.1744	7.1806	79.3879	8.2466	.1274	5.3936
4.0	2.1381	1.3029	1.28	.8279	1.2079	1.1600	.1166	1.2041	1.2101	5.7383	80.9255	7.8443	.1269	5.3225
4.0	2.1381	1.3029	1.28	.8279	1.2079	1.1900	.0741	1.2436	1.2460	3.5609	83.9596	7.4420	.1263	5.2509

LOOP 8RANCH (M1 FROM 1 TO 5)

GAMMA = 1.4

M1	M1*	DELMAX	DEL	XMIN	XMAX	X(M2U*)	Y(M2V*)	M2U	M2	THETA	SIGMA	PR21	PTR21	TR21
4.5	2.1936	1.3247	1.00	.4559	2.1936	.4600	.0825	.4278	.4346	10.1652	87.2761	23.4050	.0921	4.8662
4.5	2.1936	1.3247	1.00	.4559	2.1936	.4900	.2350	.4587	.5088	25.6200	82.1467	23.0173	.0949	4.8014
4.5	2.1936	1.3247	1.00	.4559	2.1936	.5200	.3191	.4901	.5751	31.5365	79.2048	22.6295	.0978	4.7367
4.5	2.1936	1.3247	1.00	.4559	2.1936	.5500	.3830	.5220	.6361	34.8488	76.8842	22.2418	.1009	4.6720
4.5	2.1936	1.3247	1.00	.4559	2.1936	.5800	.4355	.5543	.6932	36.9031	74.8953	21.8541	.1041	4.6072
4.5	2.1936	1.3247	1.00	.4559	2.1936	.6100	.4805	.5871	.7474	38.2298	73.1199	21.4664	.1075	4.5425
4.5	2.1936	1.3247	1.00	.4559	2.1936	.6400	.5200	.6205	.7994	39.0914	71.4958	21.0787	.1110	4.4777
4.5	2.1936	1.3247	1.00	.4559	2.1936	.6700	.5550	.6543	.8496	39.6357	69.9857	20.6909	.1146	4.4129
4.5	2.1936	1.3247	1.00	.4559	2.1936	.7000	.5864	.6887	.8983	39.9527	68.5651	20.3032	.1184	4.3482
4.5	2.1936	1.3247	1.00	.4559	2.1936	.7300	.6147	.7236	.9460	40.1011	67.2167	19.9155	.1224	4.2834
4.5	2.1936	1.3247	1.00	.4559	2.1936	.7600	.6404	.7591	.9927	40.1206	65.9278	19.5278	.1266	4.2186
4.5	2.1936	1.3247	1.00	.4559	2.1936	.7900	.6638	.7952	1.0386	40.0392	64.6890	19.1401	.1310	4.1538
4.5	2.1936	1.3247	1.00	.4559	2.1936	.8200	.6851	.8319	1.0840	39.8772	63.4927	18.7524	.1356	4.0890
4.5	2.1936	1.3247	1.00	.4559	2.1936	.8500	.7044	.8692	1.1289	39.6497	62.3329	18.3646	.1405	4.0243
4.5	2.1936	1.3247	1.00	.4559	2.1936	.8800	.7220	.9072	1.1735	39.3680	61.2047	17.9769	.1455	3.9594
4.5	2.1936	1.3247	1.00	.4559	2.1936	.9100	.7380	.9459	1.2179	39.0410	60.1041	17.5892	.1509	3.8946
4.5	2.1936	1.3247	1.00	.4559	2.1936	.9400	.7524	.9854	1.2622	38.6754	59.0275	17.2015	.1565	3.8298
4.5	2.1936	1.3247	1.00	.4559	2.1936	.9700	.7654	1.0255	1.3064	38.2767	57.9721	16.8138	.1624	3.7650
4.5	2.1936	1.3247	1.00	.4559	2.1936	1.0000	.7770	1.0665	1.3506	37.8490	56.9354	16.4260	.1686	3.7001
4.5	2.1936	1.3247	1.00	.4559	2.1936	1.0300	.7874	1.1082	1.3949	37.3958	55.9149	16.0383	.1751	3.6353
4.5	2.1936	1.3247	1.00	.4559	2.1936	1.0600	.7964	1.1508	1.4394	36.9199	54.9089	15.6506	.1820	3.5704
4.5	2.1936	1.3247	1.00	.4559	2.1936	1.0900	.8043	1.1943	1.4842	36.4235	53.9154	15.2629	.1892	3.5055
4.5	2.1936	1.3247	1.00	.4559	2.1936	1.1200	.8110	1.2387	1.5293	35.9083	52.9328	14.8752	.1969	3.4406
4.5	2.1936	1.3247	1.00	.4559	2.1936	1.1500	.8165	1.2840	1.5748	35.3758	51.9598	14.4874	.2050	3.3757
4.5	2.1936	1.3247	1.00	.4559	2.1936	1.1800	.8209	1.3304	1.6207	34.8270	50.9949	14.0997	.2135	3.3108
4.5	2.1936	1.3247	1.00	.4559	2.1936	1.2100	.8243	1.3778	1.6671	34.2630	50.0369	13.7120	.2226	3.2459
4.5	2.1936	1.3247	1.00	.4559	2.1936	1.2400	.8265	1.4263	1.7140	33.6843	49.0845	13.3243	.2321	3.1809
4.5	2.1936	1.3247	1.00	.4559	2.1936	1.2700	.8276	1.4759	1.7617	33.0915	48.1366	12.9366	.2422	3.1160
4.5	2.1936	1.3247	1.00	.4559	2.1936	1.3000	.8277	1.5268	1.8100	32.4849	47.1922	12.5489	.2530	3.0510
4.5	2.1936	1.3247	1.00	.4559	2.1936	1.3300	.8267	1.5789	1.8591	31.8647	46.2501	12.1611	.2644	2.9859
4.5	2.1936	1.3247	1.00	.4559	2.1936	1.3600	.8246	1.6324	1.9091	31.2308	45.3094	11.7734	.2764	2.9209
4.5	2.1936	1.3247	1.00	.4559	2.1936	1.3900	.8215	1.6873	1.9600	30.5833	44.3691	11.3857	.2893	2.8558
4.5	2.1936	1.3247	1.00	.4559	2.1936	1.4200	.8173	1.7438	2.0119	29.9219	43.4280	10.9980	.3029	2.7907
4.5	2.1936	1.3247	1.00	.4559	2.1936	1.4500	.8119	1.8018	2.0650	29.2463	42.4853	10.6103	.3174	2.7256
4.5	2.1936	1.3247	1.00	.4559	2.1936	1.4800	.8055	1.8614	2.1192	28.5561	41.5398	10.2225	.3329	2.6604
4.5	2.1936	1.3247	1.00	.4559	2.1936	1.5100	.7978	1.9229	2.1748	27.8506	40.5905	9.8348	.3493	2.5952
4.5	2.1936	1.3247	1.00	.4559	2.1936	1.5400	.7890	1.9862	2.2317	27.1292	39.6363	9.4471	.3668	2.5299
4.5	2.1936	1.3247	1.00	.4559	2.1936	1.5700	.7790	2.0516	2.2903	26.3910	38.6761	9.0594	.3855	2.4646
4.5	2.1936	1.3247	1.00	.4559	2.1936	1.6000	.7678	2.1191	2.3504	25.6350	37.7085	8.6717	.4054	2.3992
4.5	2.1936	1.3247	1.00	.4559	2.1936	1.6300	.7552	2.1889	2.4124	24.8599	36.7324	8.2839	.4267	2.3337
4.5	2.1936	1.3247	1.00	.4559	2.1936	1.6600	.7413	2.2611	2.4764	24.0645	35.7463	7.8962	.4493	2.2682
4.5	2.1936	1.3247	1.00	.4559	2.1936	1.6900	.7260	2.3360	2.5425	23.2469	34.7487	7.5085	.4735	2.2025
4.5	2.1936	1.3247	1.00	.4559	2.1936	1.7200	.7091	2.4138	2.6109	22.4052	33.7379	7.1208	.4993	2.1368
4.5	2.1936	1.3247	1.00	.4559	2.1936	1.7500	.6907	2.4947	2.6819	21.5372	32.7122	6.7331	.5268	2.0709
4.5	2.1936	1.3247	1.00	.4559	2.1936	1.7800	.6705	2.5789	2.7557	20.6401	31.6693	6.3454	.5561	2.0049
4.5	2.1936	1.3247	1.00	.4559	2.1936	1.8100	.6485	2.6667	2.8327	19.7106	30.6070	5.9576	.5872	1.9387
4.5	2.1936	1.3247	1.00	.4559	2.1936	1.8400	.6244	2.7586	2.9131	18.7449	29.5225	5.5699	.6202	1.8723
4.5	2.1936	1.3247	1.00	.4559	2.1936	1.8700	.5982	2.8548	2.9973	17.7381	28.4129	5.1822	.6551	1.8056
4.5	2.1936	1.3247	1.00	.4559	2.1936	1.9000	.5695	2.9560	3.0859	16.6844	27.2744	4.7945	.6918	1.7386
4.5	2.1936	1.3247	1.00	.4559	2.1936	1.9300	.5380	3.0626	3.1794	15.5764	26.1027	4.4068	.7303	1.6713
4.5	2.1936	1.3247	1.00	.4559	2.1936	1.9600	.5034	3.1754	3.2785	14.4048	24.8926	4.0190	.7701	1.6033
4.5	2.1936	1.3247	1.00	.4559	2.1936	1.9900	.4652	3.2952	3.3841	13.1574	23.6376	3.6313	.8108	1.5348
4.5	2.1936	1.3247	1.00	.4559	2.1936	2.0200	.4227	3.4233	3.4974	11.8179	22.3296	3.2436	.8517	1.4653
4.5	2.1936	1.3247	1.00	.4559	2.1936	2.0500	.3749	3.5611	3.6202	10.3639	20.9581	2.8559	.8916	1.3946
4.5	2.1936	1.3247	1.00	.4559	2.1936	2.0800	.3206	3.7110	3.7548	8.7632	19.5091	2.4682	.9289	1.3221
4.5	2.1936	1.3247	1.00	.4559	2.1936	2.1100	.2579	3.8764	3.9052	6.9674	17.9634	2.0804	.9612	1.2469
4.5	2.1936	1.3247	1.00	.4559	2.1936	2.1400	.1834	4.0635	4.0784	4.8980	16.2926	1.6927	.9853	1.1672
4.5	2.1936	1.3247	1.00	.4559	2.1936	2.1700	.0916	4.2843	4.2881	2.4162	14.4530	1.3050	.9981	1.0796
4.5	2.1936	1.3247	1.04	.4848	2.0628	.4900	.0883	.4568	.4642	10.2116	86.9581	22.7639	.0912	5.2364
4.5	2.1936	1.3247	1.04	.4848	2.0628	.5200	.2270	.4880	.5324	23.5817	82.0771	22.3607	.0937	5.1690
4.5	2.1936	1.3247	1.04	.4848	2.0628	.5500	.3057	.5195	.5944	29.0671	79.1895	21.9575	.0963	5.1016
4.5	2.1936	1.3247	1.04	.4848	2.0628	.5800	.3655	.5515	.6519	32.2196	76.9022	21.5543	.0991	5.0342
4.5	2.1936	1.3247	1.04	.4848	2.0628	.6100	.4147	.5840	.7061	34.2081	74.9386	21.1510	.1019	4.9668
4.5	2.1936	1.3247	1.04	.4848	2.0628	.6400	.4566	.6169	.7578	35.5082	73.1845	20.7478	.1049	4.8994
4.5	2.1936	1.3247	1.04	.4848	2.0628	.6700	.4933	.6503	.8075	36.3604	71.5795	20.3446	.1080	4.8319
4.5	2.1936	1.3247	1.04	.4848	2.0628	.7000	.5256	.6842	.8556	36.9026	70.0871	19.9414	.1112	4.7645
4.5	2.1936	1.3247	1.04	.4848	2.0628	.7300	.5545	.7186	.9024	37.2201	68.6833	19.5381	.1145	4.6970
4.5	2.1936	1.3247	1.04	.4848	2.0628	.7600	.5804	.7536	.9482	37.3691	67.3511	19.1349	.1179	4.6296
4.5	2.1936	1.3247	1.04	.4848	2.0628	.7900	.6037	.7891	.9932	37.3879	66.0781	18.7317	.1215	4.5621
4.5	2.1936	1.3247	1.04	.4848	2.0628	.8200	.6248	.8252	1.0374	37.3039	64.8550	18.3284	.1253	4.4946
4.5	2.1936	1.3247	1.04	.4848	2.0628	.8500	.6437	.8619	1.0811	37.1371	63.6745	17.9252	.1292	4.4271
4.5	2.1936	1.3247	1.04	.4848	2.0628	.8800	.6608	.8992	1.1245	36.9024	62.5306	17.5220	.1333	4.3596
4.5	2.1936	1.3247	1.04	.4848	2.0628	.9100	.6761	.9371	1.1675	36.6109	61.4186	17.1188	.1375	4.2921
4.5	2.1936	1.3247	1.04	.4848	2.0628	.9400	.6898	.9757	1.2102	36.2715	60.3345	16.7155	.1419	4.2246
4.5	2.1936	1.3247	1.04	.4848	2.0628	.9700	.7019	1.0150	1.2529	35.8909	59.2749	16.3123	.1466	4.1570
4.5	2.1936	1.3247	1.04	.4848	2.0628	1.0000	.7126	1.0550	1.2955	35.4745	58.2370	15.9091	.1514	4.0894
4.5	2.1936	1.3247	1.04	.4848	2.0628	1.0300	.7219	1.0958	1.3381	35.0266	57.2184	15.5059	.1564	4.0218
4.5	2.1936	1.3247	1.04	.4848	2.0628	1.0600	.7299	1.1373	1.3808	34.5506	56.2169	15.1026	.1616	3.9542
4.5	2.1936	1.3247	1.04	.4848	2.0628	1.0900	.7366	1.1796	1.4237	34.0492	55.2306	14.6994	.1671	3.8866
4.5	2.1936	1.3247	1.04	.4848	2.0628	1.1200	.7420	1.2227	1.4667	33.5246	54.2578	14.2962	.1728	3.8189
4.5	2.1936	1.3247	1.04	.4848	2.0628	1.1500	.7462	1.2668	1.5101	32.9784	53.2971	13.8929	.1788	3.7512
4.5	2.1936	1.3247	1.04	.4848	2.0628	1.1800	.7492	1.3117	1.5538	32.4121	52.3472	13.4897	.1851	3.6835
4.5	2.1936	1.3247	1.04	.4848	2.0628	1.2100	.7510	1.3576	1.5978	31.8266	51.4068	13.0865	.1916	3.6158
4.5	2.1936	1.3247	1.04	.4848	2.0628	1.2400	.7516	1.4045	1.6424	31.2228	50.4749	12.6833	.1984	3.5480
4.5	2.1936	1.3247	1.04	.4848	2.0628	1.2700	.7511	1.4524	1.6874	30.6011	49.5504	12.2800	.2055	3.4802
4.5	2.1936	1.3247	1.04	.4848	2.0628	1.3000	.7494	1.5014	1.7330	29.9618	48.6326	11.8768	.2129	3.4123
4.5	2.1936	1.3247	1.04	.4848	2.0628	1.3300	.7465	1.5516	1.7793	29.3052	47.7205	11.4736	.2207	3.3444
4.5	2.1936	1.3247	1.04	.4848	2.0628	1.3600	.7425	1.6030	1.8263	28.6310	46.8135	11.0704	.2288	3.2765
4.5	2.1936	1.3247	1.04	.4848	2.0628	1.3900	.7372	1.6556	1.8740	27.9391	45.9109	10.6671	.2373	3.2085
4.5	2.1936	1.3247	1.04	.4848	2.0628	1.4200	.7307	1.7096	1.9226	27.2290	45.0122	10.2639	.2461	3.1404
4.5	2.1936	1.3247	1.04	.4848	2.0628	1.4500	.7230	1.7649	1.9721	26.5002	44.1169	9.8607	.2553	3.0723
4.5	2.1936	1.3247	1.04	.4848	2.0628	1.4800	.7139	1.8218	2.0227	25.7519	43.2247	9.4574	.2649	3.0041
4.5	2.1936	1.3247	1.04	.4848	2.0628	1.5100	.7036	1.8802	2.0743	24.9830	42.3354	9.0542	.2748	2.9358
4.5	2.1936	1.3247	1.04	.4848	2.0628	1.5400	.6919	1.9403	2.1271	24.1924	41.4488	8.6510	.2852	2.8673
4.5	2.1936	1.3247	1.04	.4848	2.0628	1.5700	.6787	2.0022	2.1812	23.3785	40.5652	8.2478	.2959	2.7988
4.5	2.1936	1.3247	1.04	.4848	2.0628	1.6000	.6640	2.0659	2.2368	22.5397	39.6849	7.8445	.3070	2.7302
4.5	2.1936	1.3247	1.04	.4848	2.0628	1.6300	.6478	2.1317	2.2939	21.6737	38.8089	7.4413	.3184	2.6614
4.5	2.1936	1.3247	1.04	.4848	2.0628	1.6600	.6299	2.1996	2.3526	20.7782	37.9383	7.0381	.3302	2.5924
4.5	2.1936	1.3247	1.04	.4848	2.0628	1.6900	.6101	2.2699	2.4133	19.8499	37.0752	6.6348	.3422	2.5232
4.5	2.1936	1.3247	1.04	.4848	2.0628	1.7200	.5884	2.3426	2.4759	18.8854	36.2228	6.2316	.3544	2.4537
4.5	2.1936	1.3247	1.04	.4848	2.0628	1.7500	.5646	2.4181	2.5408	17.8801	35.3857	5.8284	.3666	2.3840
4.5	2.1936	1.3247	1.04	.4848	2.0628	1.7800	.5384	2.4965	2.6082	16.8285	34.5710	5.4252	.3788	2.3139
4.5	2.1936	1.3247	1.04	.4848	2.0628	1.8100	.5096	2.5782	2.6785	15.7239	33.7896	5.0219	.3908	2.2433
4.5	2.1936	1.3247	1.04	.4848	2.0628	1.8400	.4778	2.6635	2.7519	14.5575	33.0588	4.6187	.4024	2.1722
4.5	2.1936	1.3247	1.04	.4848	2.0628	1.8700	.4427	2.7529	2.8290	13.3180	32.4070	4.2155	.4131	2.1003
4.5	2.1936	1.3247	1.04	.4848	2.0628	1.9000	.4035	2.8468	2.9103	11.9903	31.8827	3.8123	.4227	2.0275
4.5	2.1936	1.3247	1.04	.4848	2.0628	1.9300	.3596	2.9461	2.9968	10.5536	31.5758	3.4090	.4306	1.9534
4.5	2.1936	1.3247	1.04	.4848	2.0628	1.9600	.3096	3.0517	3.0895	8.9771	31.6691	3.0058	.4361	1.8776
4.5	2.1936	1.3247	1.04	.4848	2.0628	1.9900	.2518	3.1651	3.1904	7.2115	32.5948	2.6026	.4383	1.7993
4.5	2.1936	1.3247	1.04	.4848	2.0628	2.0200	.1825	3.2887	3.3021	5.1618	35.6748	2.1993	.4362	1.7172
4.5	2.1936	1.3247	1.04	.4848	2.0628	2.0500	.0901	3.4268	3.4301	2.5167	48.2638	1.7961	.4284	1.6290

4.5	2.1936	1.3247	1.08	.5163	1.9369	.5200	.0707	4860	.4904	7.7401	87.4561	22.0919	.0900	5.6200
4.5	2.1936	1.3247	1.08	.5163	1.9369	.5500	.2104	5172	.5538	20.9345	82.3225	21.6732	.0922	5.5499
4.5	2.1936	1.3247	1.08	.5163	1.9369	.5800	.2859	5489	.6120	26.2424	79.4200	21.2544	.0946	5.4798
4.5	2.1936	1.3247	1.08	.5163	1.9369	.6100	.3427	5811	.6665	29.3284	77.1368	20.8357	.0970	5.4097
4.5	2.1936	1.3247	1.08	.5163	1.9369	.6400	.3891	6136	.7181	31.2953	75.1835	20.4170	.0995	5.3396
4.5	2.1936	1.3247	1.08	.5163	1.9369	.6700	.4284	6466	.7675	32.5921	73.4426	19.9982	.1020	5.2695
4.5	2.1936	1.3247	1.08	.5163	1.9369	.7000	.4624	.6801	.8151	33.4482	71.8526	19.5795	.1047	5.1994
4.5	2.1936	1.3247	1.08	.5163	1.9369	.7300	.4923	7141	.8614	33.9960	70.3765	19.1607	.1074	5.1292
4.5	2.1936	1.3247	1.08	.5163	1.9369	.7600	.5188	7486	.9064	34.3183	68.9900	18.7420	.1103	5.0591
4.5	2.1936	1.3247	1.08	.5163	1.9369	.7900	.5423	7836	.9505	34.4698	67.6762	18.3233	.1132	4.9889
4.5	2.1936	1.3247	1.08	.5163	1.9369	.8200	.5633	8192	.9938	34.4884	66.4227	17.9045	.1163	4.9187
4.5	2.1936	1.3247	1.08	.5163	1.9369	.8500	.5820	8553	1.0365	34.4011	65.2202	17.4858	.1194	4.8485
4.5	2.1936	1.3247	1.08	.5163	1.9369	.8800	.5987	8919	1.0788	34.2277	64.0613	17.0671	.1227	4.7782
4.5	2.1936	1.3247	1.08	.5163	1.9369	.9100	.6134	9292	1.1206	33.9830	62.9404	16.6483	.1260	4.7080
4.5	2.1936	1.3247	1.08	.5163	1.9369	.9400	.6264	9671	1.1621	33.6784	61.8526	16.2296	.1295	4.6377
4.5	2.1936	1.3247	1.08	.5163	1.9369	.9700	.6377	1 0056	1.2034	33.3225	60.7943	15.8109	.1331	4.5674
4.5	2.1936	1.3247	1.08	.5163	1.9369	1.0000	.6475	1 0448	1.2446	32.9223	59.7621	15.3921	.1368	4.4970
4.5	2.1936	1.3247	1.08	.5163	1.9369	1.0300	.6558	1 0846	1.2858	32.4829	58.7535	14.9734	.1406	4.4267
4.5	2.1936	1.3247	1.08	.5163	1.9369	1.0600	.6626	1 1252	1.3269	32.0087	57.7662	14.5547	.1446	4.3563
4.5	2.1936	1.3247	1.08	.5163	1.9369	1.0900	.6680	1 1665	1.3682	31.5031	56.7982	14.1359	.1487	4.2858
4.5	2.1936	1.3247	1.08	.5163	1.9369	1.1200	.6721	1 2086	1.4095	30.9686	55.8481	13.7172	.1529	4.2154
4.5	2.1936	1.3247	1.08	.5163	1.9369	1.1500	.6749	1 2515	1.4511	30.4073	54.9143	13.2984	.1572	4.1448
4.5	2.1936	1.3247	1.08	.5163	1.9369	1.1800	.6764	1 2952	1.4929	29.8209	53.9959	12.8797	.1617	4.0743
4.5	2.1936	1.3247	1.08	.5163	1.9369	1.2100	.6765	1 3398	1.5350	29.2104	53.0919	12.4610	.1663	4.0037
4.5	2.1936	1.3247	1.08	.5163	1.9369	1.2400	.6754	1 3853	1.5775	28.5767	52.2016	12.0422	.1711	3.9330
4.5	2.1936	1.3247	1.08	.5163	1.9369	1.2700	.6730	1 4317	1.6203	27.9204	51.3246	11.6235	.1759	3.8622
4.5	2.1936	1.3247	1.08	.5163	1.9369	1.3000	.6693	1 4792	1.6637	27.2416	50.4607	11.2048	.1809	3.7914
4.5	2.1936	1.3247	1.08	.5163	1.9369	1.3300	.6643	1 5277	1.7076	26.5403	49.6097	10.7860	.1861	3.7206
4.5	2.1936	1.3247	1.08	.5163	1.9369	1.3600	.6579	1 5772	1.7521	25.8161	48.7719	10.3673	.1913	3.6496
4.5	2.1936	1.3247	1.08	.5163	1.9369	1.3900	.6502	1 6280	1.7973	25.0686	47.9479	9.9486	.1967	3.5785
4.5	2.1936	1.3247	1.08	.5163	1.9369	1.4200	.6411	1 6799	1.8431	24.2968	47.1386	9.5298	.2021	3.5073
4.5	2.1936	1.3247	1.08	.5163	1.9369	1.4500	.6305	1 7331	1.8898	23.4996	46.3454	9.1111	.2077	3.4360
4.5	2.1936	1.3247	1.08	.5163	1.9369	1.4800	.6184	1 7876	1.9374	22.6756	45.5704	8.6923	.2132	3.3646
4.5	2.1936	1.3247	1.08	.5163	1.9369	1.5100	.6047	1 8436	1.9859	21.8229	44.8163	8.2736	.2188	3.2930
4.5	2.1936	1.3247	1.08	.5163	1.9369	1.5400	.5893	1 9010	2.0355	20.9393	44.0870	7.8549	.2244	3.2212
4.5	2.1936	1.3247	1.08	.5163	1.9369	1.5700	.5721	1 9601	2.0862	20.0220	43.3879	7.4361	.2300	3.1491
4.5	2.1936	1.3247	1.08	.5163	1.9369	1.6000	.5530	2 0209	2.1382	19.0675	42.7262	7.0174	.2354	3.0769
4.5	2.1936	1.3247	1.08	.5163	1.9369	1.6300	.5319	2 0835	2.1916	18.0717	42.1123	6.5987	.2406	3.0043
4.5	2.1936	1.3247	1.08	.5163	1.9369	1.6600	.5084	2. 1481	2.2466	17.0293	41.5608	6.1799	.2456	2.9313
4.5	2.1936	1.3247	1.08	.5163	1.9369	1.6900	.4825	2 2148	2.3033	15.9337	41.0930	5.7612	.2502	2.8579
4.5	2.1936	1.3247	1.08	.5163	1.9369	1.7200	.4537	2 2839	2.3620	14.7764	40.7408	5.3425	.2543	2.7839
4.5	2.1936	1.3247	1.08	.5163	1.9369	1.7500	.4216	2 3555	2.4229	13.5461	40.5542	4.9237	.2578	2.7093
4.5	2.1936	1.3247	1.08	.5163	1.9369	1.7800	.3857	2 4300	2.4864	12.2273	40.6150	4.5050	.2604	2.6338
4.5	2.1936	1.3247	1.08	.5163	1.9369	1.8100	.3452	2 5077	2.5529	10.7980	41.0667	4.0862	.2619	2.5571
4.5	2.1936	1.3247	1.08	.5163	1.9369	1.8400	.2988	2 5892	2.6231	9.2233	42.1867	3.6675	.2621	2.4790
4.5	2.1936	1.3247	1.08	.5163	1.9369	1.8700	.2443	2 6750	2.6977	7.4417	44.5913	3.2488	.2604	2.3988
4.5	2.1936	1.3247	1.08	.5163	1.9369	1.9000	.1767	2 7663	2.7782	5.3122	50.0337	2.8300	.2567	2.3157
4.5	2.1936	1.3247	1.08	.5163	1.9369	1.9300	.0733	2 8645	2.8666	2.1738	67.9412	2.4113	.2502	2.2282

4.5	2.1936	1.3247	1.12	.5511	1.8145	.5600	.1026	5256	.5344	10.3834	86.1196	21.2441	.0892	5.9925
4.5	2.1936	1.3247	1.12	.5511	1.8145	.5900	.2120	5572	.5920	19.7670	81.8621	20.8098	.0911	5.9197
4.5	2.1936	1.3247	1.12	.5511	1.8145	.6200	.2786	5891	.6458	24.1944	79.1453	20.3756	.0932	5.8469
4.5	2.1936	1.3247	1.12	.5511	1.8145	.6500	.3293	6215	.6967	26.8697	76.9671	19.9414	.0953	5.7741
4.5	2.1936	1.3247	1.12	.5511	1.8145	.6800	.3709	.6543	.7453	28.6073	75.0894	19.5071	.0975	5.7013
4.5	2.1936	1.3247	1.12	.5511	1.8145	.7100	.4060	.6876	.7921	29.7622	73.4099	19.0729	.0997	5.6285
4.5	2.1936	1.3247	1.12	.5511	1.8145	.7400	.4363	.7213	.8374	30.5231	71.8735	18.6386	.1019	5.5556
4.5	2.1936	1.3247	1.12	.5511	1.8145	.7700	.4627	.7556	.8815	31.0022	70.4464	18.2044	.1043	5.4827
4.5	2.1936	1.3247	1.12	.5511	1.8145	.8000	.4859	7903	.9246	31.2712	69.1064	17.7701	.1067	5.4098
4.5	2.1936	1.3247	1.12	.5511	1.8145	.8300	.5062	8255	.9669	31.3786	67.8376	17.3359	.1091	5.3368
4.5	2.1936	1.3247	1.12	.5511	1.8145	.8600	.5241	8612	1.0085	31.3582	66.6288	16.9016	.1117	5.2639
4.5	2.1936	1.3247	1.12	.5511	1.8145	.8900	.5397	8975	1.0497	31.2343	65.4712	16.4674	.1142	5.1909
4.5	2.1936	1.3247	1.12	.5511	1.8145	.9200	.5533	9344	1.0904	31.0253	64.3582	16.0332	.1169	5.1178
4.5	2.1936	1.3247	1.12	.5511	1.8145	.9500	.5651	9718	1.1307	30.7446	63.2845	15.5989	.1196	5.0448
4.5	2.1936	1.3247	1.12	.5511	1.8145	.9800	.5750	1 0098	1.1708	30.4027	62.2460	15.1647	.1224	4.9716
4.5	2.1936	1.3247	1.12	.5511	1.8145	1.0100	.5833	1 0485	1.2108	30.0077	61.2394	14.7304	.1252	4.8985
4.5	2.1936	1.3247	1.12	.5511	1.8145	1.0400	.5900	1 0878	1.2506	29.5659	60.2619	14.2962	.1281	4.8253
4.5	2.1936	1.3247	1.12	.5511	1.8145	1.0700	.5951	1 1278	1.2905	29.0822	59.3116	13.8619	.1310	4.7520
4.5	2.1936	1.3247	1.12	.5511	1.8145	1.1000	.5988	1 1684	1.3303	28.5604	58.3869	13.4277	.1340	4.6787
4.5	2.1936	1.3247	1.12	.5511	1.8145	1.1300	.6009	1 2098	1.3702	28.0034	57.4864	12.9934	.1370	4.6053
4.5	2.1936	1.3247	1.12	.5511	1.8145	1.1600	.6016	1 2520	1.4103	27.4135	56.6096	12.5592	.1401	4.5319
4.5	2.1936	1.3247	1.12	.5511	1.8145	1.1900	.6009	1 2949	1.4506	26.7923	55.7560	12.1249	.1432	4.4584
4.5	2.1936	1.3247	1.12	.5511	1.8145	1.2200	.5988	1 3386	1.4912	26.1410	54.9258	11.6907	.1464	4.3848
4.5	2.1936	1.3247	1.12	.5511	1.8145	1.2500	.5952	1 3832	1.5320	25.4602	54.1193	11.2565	.1496	4.3111
4.5	2.1936	1.3247	1.12	.5511	1.8145	1.2800	.5901	1 4287	1.5732	24.7501	53.3377	10.8222	.1528	4.2373
4.5	2.1936	1.3247	1.12	.5511	1.8145	1.3100	.5835	1 4751	1.6148	24.0106	52.5826	10.3880	.1560	4.1634
4.5	2.1936	1.3247	1.12	.5511	1.8145	1.3400	.5755	1 5225	1.6569	23.2410	51.8562	9.9537	.1591	4.0893
4.5	2.1936	1.3247	1.12	.5511	1.8145	1.3700	.5658	1 5709	1.6996	22.4404	51.1619	9.5195	.1623	4.0151
4.5	2.1936	1.3247	1.12	.5511	1.8145	1.4000	.5545	1 6204	1.7428	21.6072	50.5039	9.0852	.1653	3.9408
4.5	2.1936	1.3247	1.12	.5511	1.8145	1.4300	.5415	1 6710	1.7867	20.7395	49.8882	8.6510	.1683	3.8662
4.5	2.1936	1.3247	1.12	.5511	1.8145	1.4600	.5266	1 7228	1.8314	19.8347	49.3228	8.2167	.1712	3.7914
4.5	2.1936	1.3247	1.12	.5511	1.8145	1.4900	.5098	1 7758	1.8769	18.8895	48.8184	7.7825	.1739	3.7163
4.5	2.1936	1.3247	1.12	.5511	1.8145	1.5200	.4909	1 8302	1.9233	17.8996	48.3899	7.3482	.1764	3.6410
4.5	2.1936	1.3247	1.12	.5511	1.8145	1.5500	.4697	1 8861	1.9708	16.8597	48.0580	6.9140	.1786	3.5652
4.5	2.1936	1.3247	1.12	.5511	1.8145	1.5800	.4460	1 9435	2.0194	15.7627	47.8525	6.4798	.1806	3.4891
4.5	2.1936	1.3247	1.12	.5511	1.8145	1.6100	.4193	2 0025	2.0693	14.5992	47.8173	6.0455	.1821	3.4124
4.5	2.1936	1.3247	1.12	.5511	1.8145	1.6400	.3894	2 0633	2.1207	13.3565	48.0197	5.6113	.1831	3.3350
4.5	2.1936	1.3247	1.12	.5511	1.8145	1.6700	.3555	2 1261	2.1738	12.0164	48.5687	5.1770	.1836	3.2568
4.5	2.1936	1.3247	1.12	.5511	1.8145	1.7000	.3166	2 1911	2.2288	10.5512	49.6530	4.7428	.1833	3.1776
4.5	2.1936	1.3247	1.12	.5511	1.8145	1.7300	.2713	2 2586	2.2862	8.9139	51.6335	4.3085	.1822	3.0971
4.5	2.1936	1.3247	1.12	.5511	1.8145	1.7600	.2164	2 3289	2.3465	7.0106	55.3164	3.8743	.1800	3.0149
4.5	2.1936	1.3247	1.12	.5511	1.8145	1.7900	.1432	2 4026	2.4103	4.5749	63.1357	3.4400	.1766	2.9302

4.5	2.1936	1.3247	1.16	.5905	1.6936	.6000	.0991	5654	.5731	9.3803	86.0535	20.3549	.0879	6.3764
4.5	2.1936	1.3247	1.16	.5905	1.6936	.6300	.1990	5972	.6263	17.5284	81.9488	19.9052	.0896	6.3009
4.5	2.1936	1.3247	1.16	.5905	1.6936	.6600	.2600	6295	.6765	21.4994	79.3064	19.4554	.0913	6.2254
4.5	2.1936	1.3247	1.16	.5905	1.6936	.6900	.3063	6621	.7244	23.9350	77.1877	19.0057	.0931	6.1498
4.5	2.1936	1.3247	1.16	.5905	1.6936	.7200	.3439	6952	.7704	25.5286	75.3639	18.5559	.0949	6.0743
4.5	2.1936	1.3247	1.16	.5905	1.6936	.7500	.3754	.7287	.8149	26.5883	73.7361	18.1062	.0968	5.9986
4.5	2.1936	1.3247	1.16	.5905	1.6936	.7800	.4023	.7627	.8581	27.2806	72.2509	17.6564	.0987	5.9230
4.5	2.1936	1.3247	1.16	.5905	1.6936	.8100	.4254	.7971	.9003	27.7060	70.8758	17.2066	.1006	5.8473
4.5	2.1936	1.3247	1.16	.5905	1.6936	.8400	.4453	.8320	.9417	27.9294	69.5892	16.7569	.1025	5.7716
4.5	2.1936	1.3247	1.16	.5905	1.6936	.8700	.4625	8675	.9824	27.9952	68.3762	16.3071	.1045	5.6958
4.5	2.1936	1.3247	1.16	.5905	1.6936	.9000	.4772	9034	1.0226	27.9347	67.2259	15.8574	.1065	5.6200
4.5	2.1936	1.3247	1.16	.5905	1.6936	.9300	.4897	9399	1.0622	27.7704	66.1305	15.4076	.1085	5.5441
4.5	2.1936	1.3247	1.16	.5905	1.6936	.9600	.5002	9769	1.1016	27.5194	65.0840	14.9579	.1106	5.4682
4.5	2.1936	1.3247	1.16	.5905	1.6936	.9900	.5087	1 0145	1.1406	27.1943	64.0818	14.5081	.1126	5.3922
4.5	2.1936	1.3247	1.16	.5905	1.6936	1.0200	.5153	1 0527	1.1795	26.8047	63.1206	14.0584	.1147	5.3162
4.5	2.1936	1.3247	1.16	.5905	1.6936	1.0500	.5203	1 0915	1.2182	26.3583	62.1982	13.6086	.1168	5.2401
4.5	2.1936	1.3247	1.16	.5905	1.6936	1.0800	.5235	1 1310	1.2568	25.8606	61.3129	13.1589	.1189	5.1639
4.5	2.1936	1.3247	1.16	.5905	1.6936	1.1100	.5251	1 1711	1.2955	25.3159	60.4641	12.7091	.1209	5.0876
4.5	2.1936	1.3247	1.16	.5905	1.6936	1.1400	.5250	1 2118	1.3342	24.7276	59.6518	12.2594	.1230	5.0113
4.5	2.1936	1.3247	1.16	.5905	1.6936	1.1700	.5233	1 2533	1.3730	24.0978	58.8767	11.8096	.1250	4.9348
4.5	2.1936	1.3247	1.16	.5905	1.6936	1.2000	.5200	1 2956	1.4120	23.4281	58.1405	11.3598	.1270	4.8582
4.5	2.1936	1.3247	1.16	.5905	1.6936	1.2300	.5150	1 3386	1.4512	22.7192	57.4457	10.9101	.1290	4.7815
4.5	2.1936	1.3247	1.16	.5905	1.6936	1.2600	.5083	1 3824	1.4906	21.9713	56.7961	10.4603	.1309	4.7046
4.5	2.1936	1.3247	1.16	.5905	1.6936	1.2900	.4999	1 4270	1.5304	21.1836	56.1970	10.0106	.1327	4.6275
4.5	2.1936	1.3247	1.16	.5905	1.6936	1.3200	.4897	1 4725	1.5706	20.3551	55.6552	9.5608	.1344	4.5503
4.5	2.1936	1.3247	1.16	.5905	1.6936	1.3500	.4776	1 5190	1.6113	19.4835	55.1803	9.1111	.1361	4.4729
4.5	2.1936	1.3247	1.16	.5905	1.6936	1.3800	.4635	1 5664	1.6524	18.5660	54.7852	8.6613	.1375	4.3951
4.5	2.1936	1.3247	1.16	.5905	1.6936	1.4100	.4472	1 6149	1.6941	17.5984	54.4873	8.2116	.1388	4.3171
4.5	2.1936	1.3247	1.16	.5905	1.6936	1.4400	.4286	1 6644	1.7366	16.5753	54.3108	7.7618	.1399	4.2388
4.5	2.1936	1.3247	1.16	.5905	1.6936	1.4700	.4074	1 7151	1.7797	15.4891	54.2902	7.3121	.1407	4.1600
4.5	2.1936	1.3247	1.16	.5905	1.6936	1.5000	.3832	1.7670	1.8237	14.3297	54.4757	6.8623	.1413	4.0808
4.5	2.1936	1.3247	1.16	.5905	1.6936	1.5300	.3555	1 8202	1.8687	13.0824	54.9434	6.4126	.1415	4.0009
4.5	2.1936	1.3247	1.16	.5905	1.6936	1.5600	.3238	1 8749	1.9148	11.7255	55.8151	5.9628	.1413	3.9204
4.5	2.1936	1.3247	1.16	.5905	1.6936	1.5900	.2868	1.9311	1.9623	10.2242	57.3001	5.5130	.1406	3.8389
4.5	2.1936	1.3247	1.16	.5905	1.6936	1.6200	.2426	1.9890	2.0112	8.5153	59.7975	5.0633	.1393	3.7564
4.5	2.1936	1.3247	1.16	.5905	1.6936	1.6500	.1868	2 0489	2.0620	6.4580	64.2207	4.6135	.1374	3.6724
4.5	2.1936	1.3247	1.16	.5905	1.6936	1.6800	.1039	2 1110	2.1150	3.5378	73.7657	4.1638	.1347	3.5866

4.5	2.1936	1.3247	1.20	.6363	1.5716	.6400	.0570	6054	.6078	5.0872	87.6055	19.4244	.0861	6.7716
4.5	2.1936	1.3247	1.20	.6363	1.5716	.6700	.1689	6375	.6575	14.1506	82.7750	18.9591	.0876	6.6933
4.5	2.1936	1.3247	1.20	.6363	1.5716	.7000	.2282	6700	.7047	18.0525	80.0644	18.4939	.0890	6.6150
4.5	2.1936	1.3247	1.20	.6363	1.5716	.7300	.2717	7029	.7500	20.4129	77.9484	18.0286	.0905	6.5367
4.5	2.1936	1.3247	1.20	.6363	1.5716	.7600	.3063	7362	.7937	21.9478	76.1533	17.5633	.0919	6.4583
4.5	2.1936	1.3247	1.20	.6363	1.5716	.7900	.3347	7699	.8362	22.9603	74.5684	17.0981	.0934	6.3798
4.5	2.1936	1.3247	1.20	.6363	1.5716	.8200	.3584	8041	.8776	23.6116	73.1363	16.6328	.0949	6.3013
4.5	2.1936	1.3247	1.20	.6363	1.5716	.8500	.3784	8388	.9182	23.9981	71.8226	16.1676	.0964	6.2228
4.5	2.1936	1.3247	1.20	.6363	1.5716	.8800	.3952	8740	.9580	24.1825	70.6055	15.7023	.0979	6.1442
4.5	2.1936	1.3247	1.20	.6363	1.5716	.9100	.4091	9096	.9973	24.2071	69.4703	15.2370	.0993	6.0655
4.5	2.1936	1.3247	1.20	.6363	1.5716	.9400	.4205	9457	1.0361	24.1020	68.4066	14.7718	.1008	5.9867
4.5	2.1936	1.3247	1.20	.6363	1.5716	.9700	.4296	9824	1.0745	23.8889	67.4075	14.3065	.1023	5.9079
4.5	2.1936	1.3247	1.20	.6363	1.5716	1.0000	.4366	1 0196	1.1125	23.5838	66.4681	13.8412	.1037	5.8290
4.5	2.1936	1.3247	1.20	.6363	1.5716	1.0300	.4414	1 0574	1.1504	23.1987	65.5855	13.3760	.1051	5.7500
4.5	2.1936	1.3247	1.20	.6363	1.5716	1.0600	.4443	1 0958	1.1881	22.7424	64.7585	12.9107	.1065	5.6709
4.5	2.1936	1.3247	1.20	.6363	1.5716	1.0900	.4453	1 1347	1.2258	22.2215	63.9871	12.4455	.1079	5.5917
4.5	2.1936	1.3247	1.20	.6363	1.5716	1.1200	.4444	1 1743	1.2634	21.6409	63.2728	11.9802	.1092	5.5123
4.5	2.1936	1.3247	1.20	.6363	1.5716	1.1500	.4415	1 2146	1.3010	21.0037	62.6187	11.5149	.1104	5.4329
4.5	2.1936	1.3247	1.20	.6363	1.5716	1.1800	.4368	1 2555	1.3387	20.3117	62.0298	11.0497	.1116	5.3532
4.5	2.1936	1.3247	1.20	.6363	1.5716	1.2100	.4300	1 2971	1.3766	19.5657	61.5130	10.5844	.1126	5.2734
4.5	2.1936	1.3247	1.20	.6363	1.5716	1.2400	.4213	1 3395	1.4147	18.7650	61.0783	10.1191	.1136	5.1933
4.5	2.1936	1.3247	1.20	.6363	1.5716	1.2700	.4104	1 3826	1.4530	17.9078	60.7391	9.6539	.1144	5.1130
4.5	2.1936	1.3247	1.20	.6363	1.5716	1.3000	.3972	1 4266	1.4917	16.9906	60.5138	9.1886	.1152	5.0325
4.5	2.1936	1.3247	1.20	.6363	1.5716	1.3300	.3816	1 4713	1.5307	16.0083	60.4283	8.7234	.1157	4.9516
4.5	2.1936	1.3247	1.20	.6363	1.5716	1.3600	.3632	1 5170	1.5702	14.9532	60.5186	8.2581	.1161	4.8704
4.5	2.1936	1.3247	1.20	.6363	1.5716	1.3900	.3418	1 5637	1.6102	13.8139	60.8375	7.7928	.1162	4.7887
4.5	2.1936	1.3247	1.20	.6363	1.5716	1.4200	.3167	1 6113	1.6509	12.5736	61.4648	7.3276	.1161	4.7065
4.5	2.1936	1.3247	1.20	.6363	1.5716	1.4500	.2873	1 6600	1.6923	11.2060	62.5272	6.8623	.1157	4.6238
4.5	2.1936	1.3247	1.20	.6363	1.5716	1.4800	.2521	1.7099	1.7345	9.6662	64.2438	6.3970	.1149	4.5402
4.5	2.1936	1.3247	1.20	.6363	1.5716	1.5100	.2086	1.7610	1.7777	7.8662	67.0416	5.9318	.1138	4.4558
4.5	2.1936	1.3247	1.20	.6363	1.5716	1.5400	.1505	1.8135	1.8221	5.5805	71.9772	5.4665	.1123	4.3702
4.5	2.1936	1.3247	1.20	.6363	1.5716	1.5700	.0340	1 8675	1.8679	1.2402	85.5063	5.0013	.1102	4.2831

4.5	2.1936	1.3247	1.24	.6924	1.4443	.7000	.0729	6671	.6707	5.9420	86.7165	18.1320	.0847	7.1239
4.5	2.1936	1.3247	1.24	.6924	1.4443	.7300	.1585	6997	.7160	12.2473	82.7170	17.6512	.0858	7.0427
4.5	2.1936	1.3247	1.24	.6924	1.4443	.7600	.2077	7327	.7596	15.2879	80.2574	17.1705	.0869	6.9615
4.5	2.1936	1.3247	1.24	.6924	1.4443	.7900	.2438	7661	.8018	17.1521	78.3245	16.6897	.0881	6.8803
4.5	2.1936	1.3247	1.24	.6924	1.4443	.8200	.2720	8000	.8428	18.3522	76.6910	16.2089	.0892	6.7989
4.5	2.1936	1.3247	1.24	.6924	1.4443	.8500	.2946	8342	.8829	19.1163	75.2614	15.7281	.0902	6.7175
4.5	2.1936	1.3247	1.24	.6924	1.4443	.8800	.3128	8690	.9222	19.5692	73.9857	15.2474	.0913	6.6361
4.5	2.1936	1.3247	1.24	.6924	1.4443	.9100	.3274	9042	.9609	19.7874	72.8347	14.7666	.0923	6.5545
4.5	2.1936	1.3247	1.24	.6924	1.4443	.9400	.3388	9398	.9990	19.8209	71.7905	14.2858	.0933	6.4728
4.5	2.1936	1.3247	1.24	.6924	1.4443	.9700	.3474	9760	1.0367	19.7039	70.8420	13.8051	.0943	6.3910
4.5	2.1936	1.3247	1.24	.6924	1.4443	1.0000	.3533	1 0127	1.0741	19.4605	69.9831	13.3243	.0952	6.3092
4.5	2.1936	1.3247	1.24	.6924	1.4443	1.0300	.3568	1 0500	1.1112	19.1080	69.2111	12.8435	.0961	6.2271
4.5	2.1936	1.3247	1.24	.6924	1.4443	1.0600	.3579	1 0877	1.1481	18.6585	68.5267	12.3627	.0969	6.1450
4.5	2.1936	1.3247	1.24	.6924	1.4443	1.0900	.3567	1 1261	1.1848	18.1203	67.9336	11.8820	.0976	6.0626
4.5	2.1936	1.3247	1.24	.6924	1.4443	1.1200	.3531	1 1650	1.2216	17.4988	67.4388	11.4012	.0983	5.9801
4.5	2.1936	1.3247	1.24	.6924	1.4443	1.1500	.3471	1 2046	1.2583	16.7966	67.0533	10.9204	.0988	5.8974
4.5	2.1936	1.3247	1.24	.6924	1.4443	1.1800	.3387	1 2448	1.2951	16.0138	66.7932	10.4397	.0993	5.8145
4.5	2.1936	1.3247	1.24	.6924	1.4443	1.2100	.3276	1 2857	1.3320	15.1477	66.6812	9.9589	.0996	5.7313
4.5	2.1936	1.3247	1.24	.6924	1.4443	1.2400	.3136	1 3273	1.3691	14.1923	66.7503	9.4781	.0998	5.6477
4.5	2.1936	1.3247	1.24	.6924	1.4443	1.2700	.2964	1 3696	1.4064	13.1370	67.0479	8.9973	.0998	5.5639
4.5	2.1936	1.3247	1.24	.6924	1.4443	1.3000	.2755	1 4127	1.4441	11.9647	67.6462	8.5166	.0997	5.4796
4.5	2.1936	1.3247	1.24	.6924	1.4443	1.3300	.2500	1 4566	1.4821	10.6463	68.6593	8.0358	.0993	5.3948
4.5	2.1936	1.3247	1.24	.6924	1.4443	1.3600	.2186	1 5014	1.5207	9.1299	70.2847	7.5550	.0987	5.3094
4.5	2.1936	1.3247	1.24	.6924	1.4443	1.3900	.1782	1 5471	1.5598	7.3073	72.9146	7.0743	.0979	5.2233
4.5	2.1936	1.3247	1.24	.6924	1.4443	1.4200	.1209	1 5938	1.5996	4.8674	77.5983	6.5935	.0968	5.1364
4.5	2.1936	1.3247	1.28	.7683	1.3016	.7700	.0293	7405	.7410	2.1794	88.5640	16.6121	.0827	7.4551
4.5	2.1936	1.3247	1.28	.7683	1.3016	.8000	.1216	7737	.7826	8.6407	83.9071	16.1159	.0834	7.3710
4.5	2.1936	1.3247	1.28	.7683	1.3016	.8300	.1642	8074	.8230	11.1911	81.5766	15.6196	.0842	7.2868
4.5	2.1936	1.3247	1.28	.7683	1.3016	.8600	.1934	8414	.8625	12.6771	79.8347	15.1233	.0849	7.2024
4.5	2.1936	1.3247	1.28	.7683	1.3016	.8900	.2148	8759	.9011	13.5716	78.4241	14.6270	.0856	7.1180
4.5	2.1936	1.3247	1.28	.7683	1.3016	.9200	.2306	9109	.9391	14.0722	77.2467	14.1307	.0862	7.0334
4.5	2.1936	1.3247	1.28	.7683	1.3016	.9500	.2419	9463	.9765	14.2842	76.2558	13.6345	.0868	6.9487
4.5	2.1936	1.3247	1.28	.7683	1.3016	.9800	.2493	9822	1.0135	14.2704	75.4287	13.1382	.0873	6.8639
4.5	2.1936	1.3247	1.28	.7683	1.3016	1.0100	.2531	1 0186	1.0501	14.0702	74.7563	12.6419	.0877	6.7789
4.5	2.1936	1.3247	1.28	.7683	1.3016	1.0400	.2537	1 0555	1.0865	13.7086	74.2395	12.1456	.0881	6.6937
4.5	2.1936	1.3247	1.28	.7683	1.3016	1.0700	.2510	1 0930	1.1226	13.2008	73.8884	11.6493	.0884	6.6083
4.5	2.1936	1.3247	1.28	.7683	1.3016	1.1000	.2449	1 1310	1.1587	12.5534	73.7231	11.1531	.0886	6.5226
4.5	2.1936	1.3247	1.28	.7683	1.3016	1.1300	.2354	1 1695	1.1946	11.7655	73.7767	10.6568	.0887	6.4367
4.5	2.1936	1.3247	1.28	.7683	1.3016	1.1600	.2218	1 2087	1.2306	10.8269	74.1018	10.1605	.0886	6.3505
4.5	2.1936	1.3247	1.28	.7683	1.3016	1.1900	.2037	1 2485	1.2667	9.7135	74.7835	9.6642	.0884	6.2639
4.5	2.1936	1.3247	1.28	.7683	1.3016	1.2200	.1796	1 2890	1.3029	8.3761	75.9703	9.1679	.0881	6.1769
4.5	2.1936	1.3247	1.28	.7683	1.3016	1.2500	.1469	1 3301	1.3393	6.7044	77.9593	8.6717	.0876	6.0895
4.5	2.1936	1.3247	1.28	.7683	1.3016	1.2800	.0976	1 3720	1.3760	4.3598	81.5752	8.1754	.0869	6.0015
4.5	2.1936	1.3247	1.32	.9188	1.0884	.9200	.0136	9062	.9063	.8458	89.2135	13.6551	.0803	7.5576
4.5	2.1936	1.3247	1.32	.9188	1.0884	.9500	.0628	9412	.9433	3.7794	86.2571	13.1434	.0806	7.4698
4.5	2.1936	1.3247	1.32	.9188	1.0884	.9800	.0776	9767	.9798	4.5296	85.2244	12.6316	.0807	7.3818
4.5	2.1936	1.3247	1.32	.9188	1.0884	1.0100	.0804	1 0127	1.0159	4.5529	84.8894	12.1198	.0808	7.2936
4.5	2.1936	1.3247	1.32	.9188	1.0884	1.0400	.0727	1 0492	1.0517	3.9973	85.2210	11.6080	.0807	7.2052
4.5	2.1936	1.3247	1.32	.9188	1.0884	1.0700	.0499	1 0861	1.0873	2.6701	86.5975	11.0962	.0806	7.1164

LOOP BRANCH (M1 FROM 1 TO 5)

GAMMA = 1.4

M1	M1*	DELMAX	DEL	XMIN	XMAX	X(M2U*)	Y(M2V*)	2U	M2	THETA	SIGMA	PR21	PTR21	TR21
5.0	2.2361	1.3416	1.00	.4472	2.2361	.4500	.0691	.4181	.4230	8.7322	87.7839	28.9564	.0619	5.7927
5.0	2.2361	1.3416	1.00	.4472	2.2361	.4800	.2350	4490	.4999	26.0868	82.3775	28.4868	.0639	5.7144
5.0	2.2361	1.3416	1.00	.4472	2.2361	.5100	.3223	4804	.5683	32.2926	79.4228	28.0172	.0659	5.6360
5.0	2.2361	1.3416	1.00	.4472	2.2361	.5400	.3883	5122	.6308	35.7163	77.1061	27.5477	.0681	5.5577
5.0	2.2361	1.3416	1.00	.4472	2.2361	.5700	.4425	5445	.6893	37.8231	75.1258	27.0781	.0703	5.4793
5.0	2.2361	1.3416	1.00	.4472	2.2361	.6000	.4890	5773	.7447	39.1775	73.3607	26.6085	.0727	5.4009
5.0	2.2361	1.3416	1.00	.4472	2.2361	.6300	.5297	6106	.7977	40.0552	71.7479	26.1389	.0751	5.3226
5.0	2.2361	1.3416	1.00	.4472	2.2361	.6600	.5659	6445	.8489	40.6097	70.2495	25.6694	.0777	5.2442
5.0	2.2361	1.3416	1.00	.4472	2.2361	.6900	.5984	6788	.8986	40.9341	68.8408	25.1998	.0804	5.1658
5.0	2.2361	1.3416	1.00	.4472	2.2361	.7200	.6278	7138	.9470	41.0884	67.5044	24.7302	.0833	5.0874
5.0	2.2361	1.3416	1.00	.4472	2.2361	.7500	.6546	7493	.9946	41.1135	66.2277	24.2606	.0863	5.0090
5.0	2.2361	1.3416	1.00	.4472	2.2361	.7800	.6789	7855	1.0413	41.0376	65.0011	23.7911	.0894	4.9306
5.0	2.2361	1.3416	1.00	.4472	2.2361	.8100	.7012	8222	1.0875	40.8815	63.8171	23.3215	.0927	4.8522
5.0	2.2361	1.3416	1.00	.4472	2.2361	.8400	.7215	8597	1.1332	40.6603	62.6697	22.8519	.0961	4.7738
5.0	2.2361	1.3416	1.00	.4472	2.2361	.8700	.7400	8978	1.1786	40.3855	61.5540	22.3823	.0998	4.6954
5.0	2.2361	1.3416	1.00	.4472	2.2361	.9000	.7570	9366	1.2238	40.0661	60.4660	21.9128	.1036	4.6170
5.0	2.2361	1.3416	1.00	.4472	2.2361	.9300	.7723	9761	1.2689	39.7088	59.4022	21.4432	.1077	4.5386
5.0	2.2361	1.3416	1.00	.4472	2.2361	.9600	.7863	1.0164	1.3139	39.3190	58.3597	20.9736	.1119	4.4602
5.0	2.2361	1.3416	1.00	.4472	2.2361	.9900	.7989	1.0575	1.3589	38.9010	57.3359	20.5040	.1164	4.3817
5.0	2.2361	1.3416	1.00	.4472	2.2361	1.0200	.8101	1.0995	1.4041	38.4584	56.3288	20.0345	.1212	4.3033
5.0	2.2361	1.3416	1.00	.4472	2.2361	1.0500	.8202	1 1423	1.4494	37.9938	55.3361	19.5649	.1262	4.2248
5.0	2.2361	1.3416	1.00	.4472	2.2361	1.0800	.8290	1 1860	1.4951	37.5095	54.3564	19.0953	.1316	4.1464
5.0	2.2361	1.3416	1.00	.4472	2.2361	1.1100	.8367	1.2306	1.5410	37.0073	53.3878	18.6258	.1372	4.0679
5.0	2.2361	1.3416	1.00	.4472	2.2361	1.1400	.8432	1.2762	1.5874	36.4886	52.4290	18.1562	.1432	3.9894
5.0	2.2361	1.3416	1.00	.4472	2.2361	1.1700	.8486	1.3229	1.6343	35.9546	51.4787	17.6866	.1495	3.9109
5.0	2.2361	1.3416	1.00	.4472	2.2361	1.2000	.8530	1.3707	1.6817	35.4062	50.5355	17.2170	.1562	3.8324
5.0	2.2361	1.3416	1.00	.4472	2.2361	1.2300	.8563	1.4195	1.7297	34.8442	49.5984	16.7475	.1634	3.7539
5.0	2.2361	1.3416	1.00	.4472	2.2361	1.2600	.8585	1.4696	1.7783	34.2691	48.6662	16.2779	.1710	3.6753
5.0	2.2361	1.3416	1.00	.4472	2.2361	1.2900	.8597	1.5210	1.8278	33.6812	47.7380	15.8083	.1791	3.5968
5.0	2.2361	1.3416	1.00	.4472	2.2361	1.3200	.8599	1.5736	1.8780	33.0808	46.8126	15.3387	.1878	3.5182
5.0	2.2361	1.3416	1.00	.4472	2.2361	1.3500	.8590	1.6277	1.9292	32.4681	45.8890	14.8692	.1970	3.4396
5.0	2.2361	1.3416	1.00	.4472	2.2361	1.3800	.8571	1.6832	1.9814	31.8430	44.9665	14.3996	.2069	3.3610
5.0	2.2361	1.3416	1.00	.4472	2.2361	1.4100	.8541	1.7402	2.0346	31.2055	44.0438	13.9300	.2174	3.2824
5.0	2.2361	1.3416	1.00	.4472	2.2361	1.4400	.8501	1.7989	2.0890	30.5552	43.1202	13.4604	.2287	3.2037
5.0	2.2361	1.3416	1.00	.4472	2.2361	1.4700	.8450	1.8594	2.1447	29.8920	42.1946	12.9909	.2408	3.1251
5.0	2.2361	1.3416	1.00	.4472	2.2361	1.5000	.8388	1.9217	2.2018	29.2154	41.2661	12.5213	.2538	3.0463
5.0	2.2361	1.3416	1.00	.4472	2.2361	1.5300	.8316	1.9860	2.2604	28.5247	40.3336	12.0517	.2677	2.9676
5.0	2.2361	1.3416	1.00	.4472	2.2361	1.5600	.8232	2.0524	2.3206	27.8195	39.3961	11.5821	.2827	2.8888
5.0	2.2361	1.3416	1.00	.4472	2.2361	1.5900	.8136	2.1210	2.3825	27.0988	38.4525	11.1126	.2988	2.8100
5.0	2.2361	1.3416	1.00	.4472	2.2361	1.6200	.8028	2.1920	2.4464	26.3618	37.5016	10.6430	.3162	2.7311
5.0	2.2361	1.3416	1.00	.4472	2.2361	1.6500	.7908	2.2655	2.5123	25.6074	36.5421	10.1734	.3349	2.6521
5.0	2.2361	1.3416	1.00	.4472	2.2361	1.6800	.7775	2.3419	2.5805	24.8343	35.5728	9.7038	.3551	2.5731
5.0	2.2361	1.3416	1.00	.4472	2.2361	1.7100	.7628	2.4212	2.6512	24.0409	34.5921	9.2343	.3769	2.4940
5.0	2.2361	1.3416	1.00	.4472	2.2361	1.7400	.7467	2.5037	2.7245	23.2256	33.5985	8.7647	.4005	2.4149
5.0	2.2361	1.3416	1.00	.4472	2.2361	1.7700	.7290	2.5898	2.8008	22.3863	32.5902	8.2951	.4260	2.3356
5.0	2.2361	1.3416	1.00	.4472	2.2361	1.8000	.7098	2 6796	2.8804	21.5206	31.5652	7.8255	.4536	2.2562
5.0	2.2361	1.3416	1.00	.4472	2.2361	1.8300	.6888	2 7736	2.9635	20.6256	30.5212	7.3560	.4835	2.1767
5.0	2.2361	1.3416	1.00	.4472	2.2361	1.8600	.6659	2.8721	3.0506	19.6978	29.4558	6.8864	.5157	2.0970
5.0	2.2361	1.3416	1.00	.4472	2.2361	1.8900	.6410	2.9757	3.1421	18.7333	28.3658	6.4168	.5505	2.0171
5.0	2.2361	1.3416	1.00	.4472	2.2361	1.9200	.6137	3 0848	3.2386	17.7267	27.2480	5.9472	.5881	1.9369
5.0	2.2361	1.3416	1.00	.4472	2.2361	1.9500	.5840	3.2002	3.3406	16.6719	26.0981	5.4777	.6283	1.8565
5.0	2.2361	1.3416	1.00	.4472	2.2361	1.9800	.5514	3.3226	3.4490	15.5609	24.9112	5.0081	.6714	1.7756
5.0	2.2361	1.3416	1.00	.4472	2.2361	2.0100	.5155	3.4530	3.5647	14.3833	23.6812	4.5385	.7170	1.6942
5.0	2.2361	1.3416	1.00	.4472	2.2361	2.0400	.4757	3.5927	3.6890	13.1256	22.4005	4.0689	.7649	1.6121
5.0	2.2361	1.3416	1.00	.4472	2.2361	2.0700	.4313	3.7432	3.8235	11.7693	21.0594	3.5994	.8142	1.5291
5.0	2.2361	1.3416	1.00	.4472	2.2361	2.1000	.3812	3.9067	3.9706	10.2880	19.6447	3.1298	.8636	1.4447
5.0	2.2361	1.3416	1.00	.4472	2.2361	2.1300	.3238	4.0867	4.1336	8.6430	18.1390	2.6602	.9109	1.3583
5.0	2.2361	1.3416	1.00	.4472	2.2361	2.1600	.2565	4.2882	4.3184	6.7729	16.5166	2.1907	.9527	1.2686
5.0	2.2361	1.3416	1.00	.4472	2.2361	2.1900	.1751	4.5210	4.5355	4.5719	14.7384	1.7211	.9839	1.1732
5.0	2.2361	1.3416	1.00	.4472	2.2361	2.2200	.0711	4.8067	4.8092	1.8337	12.7388	1.2515	.9988	1.0665
5.0	2.2361	1.3416	1.04	.4751	2.1050	.4800	.0878	.4471	.4546	10.3645	87.0657	28.1863	.0614	6.2321
5.0	2.2361	1.3416	1.04	.4751	2.1050	.5100	.2311	.4782	.5250	24.3769	82.1798	27.6979	.0632	6.1505
5.0	2.2361	1.3416	1.04	.4751	2.1050	.5400	.3119	.5097	.5887	30.0141	79.3109	27.2096	.0650	6.0690
5.0	2.2361	1.3416	1.04	.4751	2.1050	.5700	.3734	.5417	.6476	33.2277	77.0411	26.7212	.0670	5.9874
5.0	2.2361	1.3416	1.04	.4751	2.1050	.6000	.4240	.5742	.7030	35.2446	75.0939	26.2329	.0690	5.9058
5.0	2.2361	1.3416	1.04	.4751	2.1050	.6300	.4672	.6071	.7558	36.5591	73.3550	25.7445	.0711	5.8242
5.0	2.2361	1.3416	1.04	.4751	2.1050	.6600	.5050	.6405	.8064	37.4194	71.7644	25.2561	.0732	5.7427
5.0	2.2361	1.3416	1.04	.4751	2.1050	.6900	.5384	.6744	.8554	37.9669	70.2858	24.7678	.0755	5.6611
5.0	2.2361	1.3416	1.04	.4751	2.1050	.7200	.5684	.7088	.9031	38.2886	68.8952	24.2794	.0779	5.5795
5.0	2.2361	1.3416	1.04	.4751	2.1050	.7500	.5953	.7438	.9497	38.4416	67.5758	23.7911	.0803	5.4979
5.0	2.2361	1.3416	1.04	.4751	2.1050	.7800	.6197	.7794	.9954	38.4648	66.3153	23.3027	.0829	5.4162
5.0	2.2361	1.3416	1.04	.4751	2.1050	.8100	.6417	.8156	1.0404	38.3858	65.1045	22.8144	.0856	5.3346
5.0	2.2361	1.3416	1.04	.4751	2.1050	.8400	.6616	.8523	1.0849	38.2248	63.9359	22.3260	.0884	5.2530
5.0	2.2361	1.3416	1.04	.4751	2.1050	.8700	.6796	.8897	1.1290	37.9967	62.8038	21.8376	.0914	5.1713
5.0	2.2361	1.3416	1.04	.4751	2.1050	.9000	.6959	.9277	1.1727	37.7128	61.7034	21.3493	.0944	5.0897
5.0	2.2361	1.3416	1.04	.4751	2.1050	.9300	.7106	.9664	1.2162	37.3819	60.6307	20.8609	.0977	5.0080
5.0	2.2361	1.3416	1.04	.4751	2.1050	.9600	.7237	1.0058	1.2596	37.0108	59.5825	20.3726	.1010	4.9263
5.0	2.2361	1.3416	1.04	.4751	2.1050	.9900	.7354	1.0460	1.3030	36.6049	58.5559	19.8842	.1046	4.8446
5.0	2.2361	1.3416	1.04	.4751	2.1050	1.0200	.7457	1.0869	1.3463	36.1685	57.5484	19.3959	.1082	4.7629
5.0	2.2361	1.3416	1.04	.4751	2.1050	1.0500	.7546	1.1286	1.3898	35.7050	56.5580	18.9075	.1121	4.6812
5.0	2.2361	1.3416	1.04	.4751	2.1050	1.0800	.7623	1.1711	1.4334	35.2171	55.5827	18.4191	.1162	4.5994
5.0	2.2361	1.3416	1.04	.4751	2.1050	1.1100	.7688	1.2145	1.4773	34.7071	54.6209	17.9308	.1204	4.5177
5.0	2.2361	1.3416	1.04	.4751	2.1050	1.1400	.7741	1.2587	1.5215	34.1767	53.6711	17.4424	.1249	4.4359
5.0	2.2361	1.3416	1.04	.4751	2.1050	1.1700	.7781	1.3039	1.5660	33.6272	52.7319	16.9541	.1295	4.3541
5.0	2.2361	1.3416	1.04	.4751	2.1050	1.2000	.7811	1.3501	1.6109	33.0598	51.8023	16.4657	.1344	4.2722
5.0	2.2361	1.3416	1.04	.4751	2.1050	1.2300	.7829	1.3973	1.6563	32.4753	50.8810	15.9774	.1396	4.1904
5.0	2.2361	1.3416	1.04	.4751	2.1050	1.2600	.7835	1.4456	1.7023	31.8744	49.9670	15.4890	.1450	4.1085
5.0	2.2361	1.3416	1.04	.4751	2.1050	1.2900	.7830	1.4950	1.7488	31.2572	49.0595	15.0006	.1507	4.0266
5.0	2.2361	1.3416	1.04	.4751	2.1050	1.3200	.7814	1.5456	1.7961	30.6242	48.1576	14.5123	.1567	3.9446
5.0	2.2361	1.3416	1.04	.4751	2.1050	1.3500	.7786	1.5974	1.8441	29.9754	47.2604	14.0239	.1629	3.8626
5.0	2.2361	1.3416	1.04	.4751	2.1050	1.3800	.7748	1.6505	1.8928	29.3106	46.3674	13.5356	.1695	3.7806
5.0	2.2361	1.3416	1.04	.4751	2.1050	1.4100	.7697	1.7050	1.9425	28.6295	45.4778	13.0472	.1765	3.6985
5.0	2.2361	1.3416	1.04	.4751	2.1050	1.4400	.7635	1.7609	1.9931	27.9319	44.5911	12.5589	.1838	3.6163
5.0	2.2361	1.3416	1.04	.4751	2.1050	1.4700	.7560	1.8184	2.0448	27.2170	43.7067	12.0705	.1914	3.5342
5.0	2.2361	1.3416	1.04	.4751	2.1050	1.5000	.7474	1.8775	2.0976	26.4842	42.8242	11.5821	.1994	3.4519
5.0	2.2361	1.3416	1.04	.4751	2.1050	1.5300	.7374	1.9383	2.1517	25.7325	41.9433	11.0938	.2079	3.3695
5.0	2.2361	1.3416	1.04	.4751	2.1050	1.5600	.7261	2.0009	2.2071	24.9608	41.0638	10.6054	.2167	3.2871
5.0	2.2361	1.3416	1.04	.4751	2.1050	1.5900	.7135	2.0655	2.2640	24.1677	40.1856	10.1171	.2260	3.2046
5.0	2.2361	1.3416	1.04	.4751	2.1050	1.6200	.6994	2.1322	2.3224	23.3518	39.3087	9.6287	.2357	3.1219
5.0	2.2361	1.3416	1.04	.4751	2.1050	1.6500	.6838	2.2010	2.3826	22.5109	38.4337	9.1404	.2458	3.0392
5.0	2.2361	1.3416	1.04	.4751	2.1050	1.6800	.6666	2.2723	2.4446	21.6430	37.5612	8.6520	.2563	2.9563
5.0	2.2361	1.3416	1.04	.4751	2.1050	1.7100	.6477	2.3460	2.5087	20.7452	36.6924	8.1636	.2672	2.8731
5.0	2.2361	1.3416	1.04	.4751	2.1050	1.7400	.6269	2.4226	2.5750	19.8144	35.8293	7.6753	.2785	2.7898
5.0	2.2361	1.3416	1.04	.4751	2.1050	1.7700	.6042	2.5021	2.6439	18.8465	34.9750	7.1869	.2901	2.7063
5.0	2.2361	1.3416	1.04	.4751	2.1050	1.8000	.5792	2.5849	2.7154	17.8368	34.1341	6.6986	.3018	2.6224
5.0	2.2361	1.3416	1.04	.4751	2.1050	1.8300	.5518	2.6712	2.7900	16.7792	33.3138	6.2102	.3137	2.5381
5.0	2.2361	1.3416	1.04	.4751	2.1050	1.8600	.5216	2.7615	2.8681	15.6664	32.5251	5.7219	.3255	2.4534
5.0	2.2361	1.3416	1.04	.4751	2.1050	1.8900	.4884	2.8562	2.9500	14.4885	31.7860	5.2335	.3370	2.3680
5.0	2.2361	1.3416	1.04	.4751	2.1050	1.9200	.4515	2.9558	3.0364	13.2329	31.1265	4.7451	.3479	2.2819
5.0	2.2361	1.3416	1.04	.4751	2.1050	1.9500	.4103	3.0610	3.1280	11.8823	30.5994	4.2568	.3577	2.1947
5.0	2.2361	1.3416	1.04	.4751	2.1050	1.9800	.3638	3.1728	3.2259	10.4121	30.3048	3.7684	.3658	2.1061
5.0	2.2361	1.3416	1.04	.4751	2.1050	2.0100	.3106	3.2925	3.3316	8.7849	30.4553	3.2801	.3714	2.0155
5.0	2.2361	1.3416	1.04	.4751	2.1050	2.0400	.2483	3.4222	3.4474	6.9384	31.5863	2.7917	.3734	1.9218
5.0	2.2361	1.3416	1.04	.4751	2.1050	2.0700	.1717	3.5651	3.5774	4.7413	35.5401	2.3034	.3704	1.8232
5.0	2.2361	1.3416	1.04	.4751	2.1050	2.1000	.0579	3.7279	3.7293	1.5806	57.9750	1.8150	.3607	1.7161

5.0	2.2361	1.3416	1.08	.5052	1.9793	.5100	.0819	.4763	.4824	9.1237	87.1438	27.3786	.0607	6.6872
5.0	2.2361	1.3416	1.08	.5052	1.9793	.5400	.2188	.5075	.5476	22.0588	82.2681	26.8715	.0623	6.6024
5.0	2.2361	1.3416	1.08	.5052	1.9793	.5700	.2954	.5392	.6073	27.3955	79.4209	26.3643	.0639	6.5177
5.0	2.2361	1.3416	1.08	.5052	1.9793	.6000	.3533	.5713	.6630	30.4941	77.1714	25.8572	.0656	6.4329
5.0	2.2361	1.3416	1.08	.5052	1.9793	.6300	.4008	.6038	.7157	32.4649	75.2432	25.3501	.0674	6.3481
5.0	2.2361	1.3416	1.08	.5052	1.9793	.6600	.4412	.6369	.7661	33.7622	73.5229	24.8429	.0692	6.2633
5.0	2.2361	1.3416	1.08	.5052	1.9793	.6900	.4763	.6704	.8146	34.6178	71.9506	24.3358	.0711	6.1784
5.0	2.2361	1.3416	1.08	.5052	1.9793	.7200	.5073	.7044	.8616	35.1654	70.4902	23.8286	.0731	6.0936
5.0	2.2361	1.3416	1.08	.5052	1.9793	.7500	.5347	.7389	.9075	35.4883	69.1180	23.3215	.0752	6.0088
5.0	2.2361	1.3416	1.08	.5052	1.9793	.7800	.5593	.7739	.9523	35.6416	67.8172	22.8144	.0773	5.9239
5.0	2.2361	1.3416	1.08	.5052	1.9793	.8100	.5813	.8095	.9964	35.6634	66.5759	22.3072	.0795	5.8390
5.0	2.2361	1.3416	1.08	.5052	1.9793	.8400	.6009	.8457	1.0398	35.5806	65.3846	21.8001	.0818	5.7542
5.0	2.2361	1.3416	1.08	.5052	1.9793	.8700	.6186	.8824	1.0827	35.4130	64.2364	21.2929	.0841	5.6692
5.0	2.2361	1.3416	1.08	.5052	1.9793	.9000	.6343	.9197	1.1252	35.1756	63.1254	20.7858	.0866	5.5843
5.0	2.2361	1.3416	1.08	.5052	1.9793	.9300	.6483	.9577	1.1674	34.8795	62.0470	20.2787	.0891	5.4994
5.0	2.2361	1.3416	1.08	.5052	1.9793	.9600	.6606	.9963	1.2094	34.5336	60.9974	19.7715	.0917	5.4144
5.0	2.2361	1.3416	1.08	.5052	1.9793	.9900	.6714	1.0356	1.2513	34.1445	59.9734	19.2644	.0945	5.3294
5.0	2.2361	1.3416	1.08	.5052	1.9793	1.0200	.6807	1.0756	1.2932	33.7177	58.9724	18.7572	.0973	5.2444
5.0	2.2361	1.3416	1.08	.5052	1.9793	1.0500	.6886	1.1163	1.3350	33.2574	57.9921	18.2501	.1003	5.1594
5.0	2.2361	1.3416	1.08	.5052	1.9793	1.0800	.6951	1.1578	1.3769	32.7671	57.0304	17.7430	.1033	5.0743
5.0	2.2361	1.3416	1.08	.5052	1.9793	1.1100	.7003	1.2001	1.4190	32.2493	56.0859	17.2358	.1065	4.9892
5.0	2.2361	1.3416	1.08	.5052	1.9793	1.1400	.7042	1.2432	1.4613	31.7062	55.1570	16.7287	.1098	4.9041
5.0	2.2361	1.3416	1.08	.5052	1.9793	1.1700	.7069	1.2871	1.5038	31.1394	54.2425	16.2215	.1132	4.8189
5.0	2.2361	1.3416	1.08	.5052	1.9793	1.2000	.7083	1.3320	1.5467	30.5503	53.3415	15.7144	.1167	4.7337
5.0	2.2361	1.3416	1.08	.5052	1.9793	1.2300	.7084	1.3777	1.5899	29.9396	52.4531	15.2073	.1204	4.6484
5.0	2.2361	1.3416	1.08	.5052	1.9793	1.2600	.7073	1.4245	1.6336	29.3081	51.5766	14.7001	.1241	4.5631
5.0	2.2361	1.3416	1.08	.5052	1.9793	1.2900	.7050	1.4722	1.6777	28.6561	50.7115	14.1930	.1280	4.4777
5.0	2.2361	1.3416	1.08	.5052	1.9793	1.3200	.7014	1.5210	1.7224	27.9837	49.8576	13.6858	.1321	4.3923
5.0	2.2361	1.3416	1.08	.5052	1.9793	1.3500	.6965	1.5710	1.7677	27.2908	49.0146	13.1787	.1362	4.3068
5.0	2.2361	1.3416	1.08	.5052	1.9793	1.3800	.6904	1.6221	1.8137	26.5770	48.1827	12.6716	.1405	4.2212
5.0	2.2361	1.3416	1.08	.5052	1.9793	1.4100	.6829	1.6744	1.8605	25.8419	47.3623	12.1644	.1449	4.1355
5.0	2.2361	1.3416	1.08	.5052	1.9793	1.4400	.6741	1.7280	1.9080	25.0845	46.5538	11.6573	.1495	4.0498
5.0	2.2361	1.3416	1.08	.5052	1.9793	1.4700	.6638	1.7831	1.9564	24.3037	45.7585	11.1501	.1541	3.9639
5.0	2.2361	1.3416	1.08	.5052	1.9793	1.5000	.6522	1.8395	2.0058	23.4984	44.9776	10.6430	.1588	3.8779
5.0	2.2361	1.3416	1.08	.5052	1.9793	1.5300	.6390	1.8975	2.0563	22.6666	44.2134	10.1358	.1636	3.7918
5.0	2.2361	1.3416	1.08	.5052	1.9793	1.5600	.6242	1.9571	2.1079	21.8065	43.4686	9.6287	.1685	3.7054
5.0	2.2361	1.3416	1.08	.5052	1.9793	1.5900	.6077	2.0184	2.1608	20.9155	42.7473	9.1216	.1734	3.6189
5.0	2.2361	1.3416	1.08	.5052	1.9793	1.6200	.5893	2.0816	2.2151	19.9905	42.0549	8.6144	.1783	3.5322
5.0	2.2361	1.3416	1.08	.5052	1.9793	1.6500	.5690	2.1468	2.2709	19.0279	41.3990	8.1073	.1831	3.4452
5.0	2.2361	1.3416	1.08	.5052	1.9793	1.6800	.5466	2.2140	2.3283	18.0229	40.7903	7.6001	.1877	3.3579
5.0	2.2361	1.3416	1.08	.5052	1.9793	1.7100	.5218	2.2836	2.3876	16.9699	40.2441	7.0930	.1922	3.2701
5.0	2.2361	1.3416	1.08	.5052	1.9793	1.7400	.4944	2.3557	2.4489	15.8614	39.7830	6.5859	.1964	3.1819
5.0	2.2361	1.3416	1.08	.5052	1.9793	1.7700	.4640	2.4304	2.5125	14.6880	39.4414	6.0787	.2002	3.0931
5.0	2.2361	1.3416	1.08	.5052	1.9793	1.8000	.4300	2.5082	2.5788	13.4369	39.2736	5.5716	.2033	3.0036
5.0	2.2361	1.3416	1.08	.5052	1.9793	1.8300	.3920	2.5893	2.6481	12.0905	39.3708	5.0644	.2057	2.9130
5.0	2.2361	1.3416	1.08	.5052	1.9793	1.8600	.3488	2.6743	2.7209	10.6226	39.8976	4.5573	.2071	2.8212
5.0	2.2361	1.3416	1.08	.5052	1.9793	1.8900	.2991	2.7636	2.7980	8.9914	41.1841	4.0502	.2071	2.7276
5.0	2.2361	1.3416	1.08	.5052	1.9793	1.9200	.2398	2.8583	2.8805	7.1189	44.0117	3.5430	.2054	2.6315
5.0	2.2361	1.3416	1.08	.5052	1.9793	1.9500	.1640	2.9596	2.9700	4.8077	50.8782	3.0359	.2015	2.5318
5.0	2.2361	1.3416	1.12	.5384	1.8574	.5400	.0451	.5055	.5072	4.7721	88.3584	26.5334	.0598	7.1581
5.0	2.2361	1.3416	1.12	.5384	1.8574	.5700	.1972	.5369	.5681	19.0831	82.7167	26.0075	.0612	7.0701
5.0	2.2361	1.3416	1.12	.5384	1.8574	.6000	.2719	.5687	.6244	24.3812	79.8102	25.4815	.0626	6.9821
5.0	2.2361	1.3416	1.12	.5384	1.8574	.6300	.3275	.6009	.6772	27.4638	77.5478	24.9556	.0641	6.8940
5.0	2.2361	1.3416	1.12	.5384	1.8574	.6600	.3724	.6336	.7275	29.4363	75.6221	24.4297	.0657	6.8060
5.0	2.2361	1.3416	1.12	.5384	1.8574	.6900	.4104	.6667	.7757	30.7424	73.9116	23.9038	.0672	6.7179
5.0	2.2361	1.3416	1.12	.5384	1.8574	.7200	.4431	.7003	.8223	31.6084	72.3536	23.3778	.0689	6.6298
5.0	2.2361	1.3416	1.12	.5384	1.8574	.7500	.4717	.7344	.8675	32.1650	70.9106	22.8519	.0706	6.5417
5.0	2.2361	1.3416	1.12	.5384	1.8574	.7800	.4968	.7689	.9117	32.4941	69.5583	22.3260	.0723	6.4536
5.0	2.2361	1.3416	1.12	.5384	1.8574	.8100	.5190	.8040	.9549	32.6502	68.2797	21.8001	.0741	6.3655
5.0	2.2361	1.3416	1.12	.5384	1.8574	.8400	.5387	.8396	.9975	32.6709	67.0626	21.2742	.0759	6.2773
5.0	2.2361	1.3416	1.12	.5384	1.8574	.8700	.5560	.8758	1.0394	32.5833	65.8977	20.7482	.0778	6.1891
5.0	2.2361	1.3416	1.12	.5384	1.8574	.9000	.5713	.9125	1.0809	32.4071	64.7779	20.2223	.0797	6.1009
5.0	2.2361	1.3416	1.12	.5384	1.8574	.9300	.5847	.9498	1.1220	32.1571	63.6976	19.6964	.0817	6.0127
5.0	2.2361	1.3416	1.12	.5384	1.8574	.9600	.5963	.9878	1.1628	31.8447	62.6524	19.1705	.0837	5.9244
5.0	2.2361	1.3416	1.12	.5384	1.8574	.9900	.6062	1.0263	1.2034	31.4786	61.6387	18.6445	.0858	5.8361
5.0	2.2361	1.3416	1.12	.5384	1.8574	1.0200	.6145	1.0655	1.2439	31.0656	60.6534	18.1186	.0880	5.7477
5.0	2.2361	1.3416	1.12	.5384	1.8574	1.0500	.6212	1.1054	1.2844	30.6110	59.6944	17.5927	.0902	5.6593
5.0	2.2361	1.3416	1.12	.5384	1.8574	1.0800	.6265	1.1460	1.3248	30.1191	58.7596	17.0668	.0925	5.5709
5.0	2.2361	1.3416	1.12	.5384	1.8574	1.1100	.6304	1.1872	1.3654	29.5931	57.8475	16.5408	.0948	5.4824
5.0	2.2361	1.3416	1.12	.5384	1.8574	1.1400	.6328	1.2293	1.4060	29.0355	56.9571	16.0149	.0971	5.3938
5.0	2.2361	1.3416	1.12	.5384	1.8574	1.1700	.6339	1.2721	1.4469	28.4482	56.0876	15.4890	.0996	5.3052
5.0	2.2361	1.3416	1.12	.5384	1.8574	1.2000	.6336	1.3158	1.4879	27.8328	55.2384	14.9631	.1020	5.2165
5.0	2.2361	1.3416	1.12	.5384	1.8574	1.2300	.6319	1.3603	1.5293	27.1901	54.4094	14.4371	.1045	5.1278
5.0	2.2361	1.3416	1.12	.5384	1.8574	1.2600	.6288	1.4057	1.5710	26.5207	53.6009	13.9112	.1071	5.0390
5.0	2.2361	1.3416	1.12	.5384	1.8574	1.2900	.6243	1.4521	1.6132	25.8249	52.8134	13.3853	.1097	4.9500
5.0	2.2361	1.3416	1.12	.5384	1.8574	1.3200	.6184	1.4994	1.6558	25.1024	52.0481	12.8594	.1123	4.8610
5.0	2.2361	1.3416	1.12	.5384	1.8574	1.3500	.6110	1.5477	1.6989	24.3528	51.3065	12.3335	.1149	4.7719
5.0	2.2361	1.3416	1.12	.5384	1.8574	1.3800	.6022	1.5971	1.7426	23.5752	50.5908	11.8075	.1175	4.6826
5.0	2.2361	1.3416	1.12	.5384	1.8574	1.4100	.5918	1.6476	1.7869	22.7684	49.9043	11.2816	.1201	4.5932
5.0	2.2361	1.3416	1.12	.5384	1.8574	1.4400	.5798	1.6994	1.8319	21.9307	49.2512	10.7557	.1227	4.5036
5.0	2.2361	1.3416	1.12	.5384	1.8574	1.4700	.5660	1.7523	1.8777	21.0599	48.6369	10.2298	.1252	4.4138
5.0	2.2361	1.3416	1.12	.5384	1.8574	1.5000	.5505	1.8066	1.9244	20.1534	48.0691	9.7038	.1276	4.3238
5.0	2.2361	1.3416	1.12	.5384	1.8574	1.5300	.5330	1.8623	1.9720	19.2076	47.5581	9.1779	.1300	4.2336
5.0	2.2361	1.3416	1.12	.5384	1.8574	1.5600	.5135	1.9194	2.0207	18.2182	47.1179	8.6520	.1321	4.1430
5.0	2.2361	1.3416	1.12	.5384	1.8574	1.5900	.4916	1.9782	2.0706	17.1797	46.7682	8.1261	.1341	4.0520
5.0	2.2361	1.3416	1.12	.5384	1.8574	1.6200	.4671	2.0386	2.1217	16.0848	46.5372	7.6001	.1359	3.9606
5.0	2.2361	1.3416	1.12	.5384	1.8574	1.6500	.4398	2.1009	2.1742	14.9241	46.4666	7.0742	.1373	3.8687
5.0	2.2361	1.3416	1.12	.5384	1.8574	1.6800	.4091	2.1652	2.2284	13.6848	46.6205	6.5483	.1384	3.7761
5.0	2.2361	1.3416	1.12	.5384	1.8574	1.7100	.3744	2.2316	2.2845	12.3485	47.1022	6.0224	.1389	3.6826
5.0	2.2361	1.3416	1.12	.5384	1.8574	1.7400	.3347	2.3005	2.3427	10.8874	48.0911	5.4965	.1389	3.5881
5.0	2.2361	1.3416	1.12	.5384	1.8574	1.7700	.2884	2.3721	2.4034	9.2556	49.9291	4.9705	.1381	3.4921
5.0	2.2361	1.3416	1.12	.5384	1.8574	1.8000	.2326	2.4468	2.4672	7.3626	53.3747	4.4446	.1364	3.3943
5.0	2.2361	1.3416	1.12	.5384	1.8574	1.8300	.1590	2.5252	2.5348	4.9660	60.6598	3.9187	.1336	3.2938

5.0	2.2361	1.3416	1.16	.5755	1.7377	.5800	.0707	5452	.5492	6.9525	87.2935	25.4690	.0591	7.6142
5.0	2.2361	1.3416	1.16	.5755	1.7377	.6100	.1927	5769	.6050	17.5297	82.5131	24.9243	.0603	7.5229
5.0	2.2361	1.3416	1.16	.5755	1.7377	.6400	.2597	6089	.6572	22.0894	79.7483	24.3796	.0616	7.4317
5.0	2.2361	1.3416	1.16	.5755	1.7377	.6700	.3099	6414	.7067	24.8203	77.5723	23.8349	.0629	7.3404
5.0	2.2361	1.3416	1.16	.5755	1.7377	.7000	.3504	6744	.7542	26.5926	75.7138	23.2902	.0642	7.2490
5.0	2.2361	1.3416	1.16	.5755	1.7377	.7300	.3844	7078	.7999	27.7722	74.0617	22.7455	.0655	7.1577
5.0	2.2361	1.3416	1.16	.5755	1.7377	.7600	.4135	7416	.8443	28.5511	72.5576	22.2008	.0669	7.0663
5.0	2.2361	1.3416	1.16	.5755	1.7377	.7900	.4387	7759	.8875	29.0429	71.1665	21.6561	.0683	6.9749
5.0	2.2361	1.3416	1.16	.5755	1.7377	.8200	.4605	8107	.9298	29.3202	69.8654	21.1114	.0697	6.8834
5.0	2.2361	1.3416	1.16	.5755	1.7377	.8500	.4796	8460	.9713	29.4316	68.6385	20.5667	.0712	6.7919
5.0	2.2361	1.3416	1.16	.5755	1.7377	.8800	.4961	8818	1.0123	29.4113	67.4744	20.0220	.0727	6.7004
5.0	2.2361	1.3416	1.16	.5755	1.7377	.9100	.5103	9182	1.0527	29.2841	66.3644	19.4772	.0742	6.6089
5.0	2.2361	1.3416	1.16	.5755	1.7377	.9400	.5225	9551	1.0927	29.0682	65.3021	18.9325	.0757	6.5173
5.0	2.2361	1.3416	1.16	.5755	1.7377	.9700	.5328	9926	1.1324	28.7773	64.2826	18.3878	.0773	6.4256
5.0	2.2361	1.3416	1.16	.5755	1.7377	1.0000	.5412	1 0306	1.1719	28.4218	63.3022	17.8431	.0789	6.3339
5.0	2.2361	1.3416	1.16	.5755	1.7377	1.0300	.5479	1 0693	1.2112	28.0099	62.3578	17.2984	.0805	6.2421
5.0	2.2361	1.3416	1.16	.5755	1.7377	1.0600	.5529	1 1087	1.2504	27.5477	61.4476	16.7537	.0821	6.1503
5.0	2.2361	1.3416	1.16	.5755	1.7377	1.0900	.5563	1 1487	1.2896	27.0400	60.5699	16.2090	.0837	6.0584
5.0	2.2361	1.3416	1.16	.5755	1.7377	1.1200	.5582	1 1893	1.3289	26.4906	59.7241	15.6643	.0853	5.9664
5.0	2.2361	1.3416	1.16	.5755	1.7377	1.1500	.5585	1 2307	1.3682	25.9021	58.9100	15.1196	.0870	5.8744
5.0	2.2361	1.3416	1.16	.5755	1.7377	1.1800	.5572	1 2729	1.4076	25.2765	58.1279	14.5749	.0886	5.7822
5.0	2.2361	1.3416	1.16	.5755	1.7377	1.2100	.5544	1 3157	1.4473	24.6151	57.3789	14.0302	.0902	5.6900
5.0	2.2361	1.3416	1.16	.5755	1.7377	1.2400	.5500	1 3595	1.4872	23.9186	56.6648	13.4855	.0918	5.5976
5.0	2.2361	1.3416	1.16	.5755	1.7377	1.2700	.5440	1 4040	1.5274	23.1871	55.9884	12.9408	.0934	5.5051
5.0	2.2361	1.3416	1.16	.5755	1.7377	1.3000	.5364	1 4494	1.5679	22.4201	55.3534	12.3961	.0950	5.4124
5.0	2.2361	1.3416	1.16	.5755	1.7377	1.3300	.5270	1 4957	1.6089	21.6165	54.7649	11.8514	.0965	5.3196
5.0	2.2361	1.3416	1.16	.5755	1.7377	1.3600	.5159	1 5430	1.6503	20.7748	54.2296	11.3067	.0979	5.2266
5.0	2.2361	1.3416	1.16	.5755	1.7377	1.3900	.5030	1 5913	1.6923	19.8926	53.7569	10.7619	.0992	5.1334
5.0	2.2361	1.3416	1.16	.5755	1.7377	1.4200	.4880	1 6407	1.7349	18.9666	53.3591	10.2172	.1005	5.0399
5.0	2.2361	1.3416	1.16	.5755	1.7377	1.4500	.4709	1 6911	1.7781	17.9925	53.0529	9.6725	.1016	4.9461
5.0	2.2361	1.3416	1.16	.5755	1.7377	1.4800	.4515	1 7428	1.8221	16.9647	52.8615	9.1278	.1025	4.8519
5.0	2.2361	1.3416	1.16	.5755	1.7377	1.5100	.4294	1 7957	1.8669	15.8756	52.8180	8.5831	.1033	4.7573
5.0	2.2361	1.3416	1.16	.5755	1.7377	1.5400	.4044	1 8500	1.9127	14.7150	52.9704	8.0384	.1038	4.6623
5.0	2.2361	1.3416	1.16	.5755	1.7377	1.5700	.3760	1 9057	1.9596	13.4684	53.3915	7.4937	.1041	4.5666
5.0	2.2361	1.3416	1.16	.5755	1.7377	1.6000	.3434	1 9629	2.0076	12.1145	54.1974	6.9490	.1040	4.4702
5.0	2.2361	1.3416	1.16	.5755	1.7377	1.6300	.3056	2 0219	2.0571	10.6198	55.5868	6.4043	.1035	4.3728
5.0	2.2361	1.3416	1.16	.5755	1.7377	1.6600	.2607	2 0827	2.1082	8.9246	57.9358	5.8596	.1026	4.2742
5.0	2.2361	1.3416	1.16	.5755	1.7377	1.6900	.2046	2 1456	2.1613	6.9019	62.0861	5.3149	.1011	4.1741
5.0	2.2361	1.3416	1.16	.5755	1.7377	1.7200	.1244	2 2109	2.2167	4.1362	70.7478	4.7702	.0990	4.0720
5.0	2.2361	1.3416	1.20	.6180	1.6180	.6200	.0432	5851	.5865	3.9885	88.2578	24.3546	.0581	8.0838
5.0	2.2361	1.3416	1.20	.6180	1.6180	.6500	.1716	6171	.6382	14.7865	82.9696	23.7911	.0591	7.9892
5.0	2.2361	1.3416	1.20	.6180	1.6180	.6800	.2350	6494	.6871	19.0650	80.2050	23.2276	.0602	7.8946
5.0	2.2361	1.3416	1.20	.6180	1.6180	.7100	.2815	6821	.7338	21.6271	78.0604	22.6641	.0613	7.8000
5.0	2.2361	1.3416	1.20	.6180	1.6180	.7400	.3186	7153	.7788	23.2911	76.2439	22.1006	.0624	7.7053
5.0	2.2361	1.3416	1.20	.6180	1.6180	.7700	.3492	7489	.8224	24.3950	74.6399	21.5371	.0635	7.6106
5.0	2.2361	1.3416	1.20	.6180	1.6180	.8000	.3750	7830	.8648	25.1160	73.1888	20.9736	.0646	7.5159
5.0	2.2361	1.3416	1.20	.6180	1.6180	.8300	.3969	8175	.9062	25.5594	71.8551	20.4101	.0657	7.4211
5.0	2.2361	1.3416	1.20	.6180	1.6180	.8600	.4156	8526	.9469	25.7926	70.6163	19.8466	.0668	7.3263
5.0	2.2361	1.3416	1.20	.6180	1.6180	.8900	.4314	8881	.9869	25.8614	69.4568	19.2832	.0679	7.2314
5.0	2.2361	1.3416	1.20	.6180	1.6180	.9200	.4447	9241	1.0264	25.7979	68.3659	18.7197	.0691	7.1364
5.0	2.2361	1.3416	1.20	.6180	1.6180	.9500	.4557	9606	1.0654	25.6253	67.3356	18.1562	.0702	7.0414
5.0	2.2361	1.3416	1.20	.6180	1.6180	.9800	.4645	9977	1.1041	25.3608	66.3606	17.5927	.0714	6.9463
5.0	2.2361	1.3416	1.20	.6180	1.6180	1.0100	.4713	1 0354	1.1426	25.0171	65.4369	17.0292	.0725	6.8511
5.0	2.2361	1.3416	1.20	.6180	1.6180	1.0400	.4762	1 0736	1.1809	24.6040	64.5621	16.4657	.0736	6.7559
5.0	2.2361	1.3416	1.20	.6180	1.6180	1.0700	.4793	1 1125	1.2190	24.1288	63.7350	15.9022	.0747	6.6606
5.0	2.2361	1.3416	1.20	.6180	1.6180	1.1000	.4805	1 1520	1.2571	23.5970	62.9555	15.3387	.0758	6.5651
5.0	2.2361	1.3416	1.20	.6180	1.6180	1.1300	.4799	1 1921	1.2952	23.0124	62.2245	14.7752	.0769	6.4696
5.0	2.2361	1.3416	1.20	.6180	1.6180	1.1600	.4776	1 2329	1.3333	22.3779	61.5442	14.2118	.0779	6.3739
5.0	2.2361	1.3416	1.20	.6180	1.6180	1.1900	.4734	1 2744	1.3715	21.6951	60.9182	13.6483	.0789	6.2780
5.0	2.2361	1.3416	1.20	.6180	1.6180	1.2200	.4674	1 3166	1.4100	20.9646	60.3516	13.0848	.0798	6.1821
5.0	2.2361	1.3416	1.20	.6180	1.6180	1.2500	.4596	1 3596	1.4486	20.1860	59.8514	12.5213	.0807	6.0859
5.0	2.2361	1.3416	1.20	.6180	1.6180	1.2800	.4497	1 4034	1.4875	19.3580	59.4274	11.9578	.0815	5.9895
5.0	2.2361	1.3416	1.20	.6180	1.6180	1.3100	.4378	1 4480	1.5267	18.4782	59.0927	11.3943	.0822	5.8929
5.0	2.2361	1.3416	1.20	.6180	1.6180	1.3400	.4236	1 4935	1.5664	17.5427	58.8651	10.8308	.0828	5.7959
5.0	2.2361	1.3416	1.20	.6180	1.6180	1.3700	.4070	1 5399	1.6064	16.5461	58.7692	10.2673	.0833	5.6987
5.0	2.2361	1.3416	1.20	.6180	1.6180	1.4000	.3877	1 5873	1.6470	15.4805	58.8398	9.7038	.0836	5.6011
5.0	2.2361	1.3416	1.20	.6180	1.6180	1.4300	.3654	1 6357	1.6883	14.3349	59.1270	9.1404	.0838	5.5030
5.0	2.2361	1.3416	1.20	.6180	1.6180	1.4600	.3396	1 6852	1.7301	13.0930	59.7062	8.5769	.0837	5.4045
5.0	2.2361	1.3416	1.20	.6180	1.6180	1.4900	.3094	1 7358	1.7728	11.7302	60.6967	8.0134	.0835	5.3052
5.0	2.2361	1.3416	1.20	.6180	1.6180	1.5200	.2736	1 7877	1.8164	10.2055	62.3015	7.4499	.0830	5.2052
5.0	2.2361	1.3416	1.20	.6180	1.6180	1.5500	.2300	1 8409	1.8611	8.4417	64.9074	6.8864	.0821	5.1042
5.0	2.2361	1.3416	1.20	.6180	1.6180	1.5800	.1732	1 8956	1.9070	6.2570	69.4148	6.3229	.0809	5.0020
5.0	2.2361	1.3416	1.20	.6180	1.6180	1.6100	.0800	1 9520	1.9544	2.8448	79.4901	5.7594	.0793	4.8982

5.0	2.2361	1.3416	1.24	.6689	1.4951	.6700	.0298	6359	.6366	2.5501	88.7225	22.9959	.0571	8.5340
5.0	2.2361	1.3416	1.24	.6689	1.4951	.7000	.1532	6682	.6841	12.3466	83.3190	22.4137	.0579	8.4361
5.0	2.2361	1.3416	1.24	.6689	1.4951	.7300	.2105	7010	.7295	16.0823	80.6489	21.8314	.0588	8.3381
5.0	2.2361	1.3416	1.24	.6689	1.4951	.7600	.2517	7341	.7733	18.3226	78.5988	21.2491	.0596	8.2401
5.0	2.2361	1.3416	1.24	.6689	1.4951	.7900	.2839	7677	.8157	19.7699	76.8777	20.6668	.0605	8.1420
5.0	2.2361	1.3416	1.24	.6689	1.4951	.8200	.3101	8017	.8571	20.7140	75.3721	20.0846	.0613	8.0439
5.0	2.2361	1.3416	1.24	.6689	1.4951	.8500	.3315	8361	.8975	21.3078	74.0243	19.5023	.0622	7.9457
5.0	2.2361	1.3416	1.24	.6689	1.4951	.8800	.3492	8710	.9371	21.6429	72.8005	18.9200	.0630	7.8474
5.0	2.2361	1.3416	1.24	.6689	1.4951	.9100	.3636	9064	.9761	21.7784	71.6797	18.3377	.0638	7.7491
5.0	2.2361	1.3416	1.24	.6689	1.4951	.9400	.3751	9423	1.0145	21.7544	70.6485	17.7555	.0646	7.6506
5.0	2.2361	1.3416	1.24	.6689	1.4951	.9700	.3840	9787	1.0526	21.5990	69.6978	17.1732	.0654	7.5521
5.0	2.2361	1.3416	1.24	.6689	1.4951	1.0000	.3905	1 0156	1.0903	21.3328	68.8224	16.5909	.0662	7.4535
5.0	2.2361	1.3416	1.24	.6689	1.4951	1.0300	.3948	1 0531	1.1278	20.9703	68.0197	16.0087	.0669	7.3547
5.0	2.2361	1.3416	1.24	.6689	1.4951	1.0600	.3968	1 0911	1.1650	20.5223	67.2892	15.4264	.0676	7.2559
5.0	2.2361	1.3416	1.24	.6689	1.4951	1.0900	.3967	1 1297	1.2022	19.9965	66.6328	14.8441	.0682	7.1569
5.0	2.2361	1.3416	1.24	.6689	1.4951	1.1200	.3944	1 1689	1.2393	19.3980	66.0547	14.2618	.0688	7.0577
5.0	2.2361	1.3416	1.24	.6689	1.4951	1.1500	.3899	1 2088	1.2764	18.7298	65.5617	13.6796	.0694	6.9584
5.0	2.2361	1.3416	1.24	.6689	1.4951	1.1800	.3832	1 2493	1.3135	17.9932	65.1637	13.0973	.0699	6.8588
5.0	2.2361	1.3416	1.24	.6689	1.4951	1.2100	.3743	1 2905	1.3508	17.1872	64.8748	12.5150	.0703	6.7590
5.0	2.2361	1.3416	1.24	.6689	1.4951	1.2400	.3628	1 3324	1.3882	16.3091	64.7147	11.9328	.0706	6.6590
5.0	2.2361	1.3416	1.24	.6689	1.4951	1.2700	.3487	1 3750	1.4259	15.3533	64.7108	11.3505	.0708	6.5586
5.0	2.2361	1.3416	1.24	.6689	1.4951	1.3000	.3316	1 4184	1.4638	14.3112	64.9026	10.7682	.0709	6.4579
5.0	2.2361	1.3416	1.24	.6689	1.4951	1.3300	.3112	1 4626	1.5021	13.1689	65.3475	10.1859	.0709	6.3568
5.0	2.2361	1.3416	1.24	.6689	1.4951	1.3600	.2867	1 5077	1.5409	11.9048	66.1339	9.6037	.0707	6.2553
5.0	2.2361	1.3416	1.24	.6689	1.4951	1.3900	.2572	1 5537	1.5801	10.4831	67.4056	9.0214	.0704	6.1531
5.0	2.2361	1.3416	1.24	.6689	1.4951	1.4200	.2208	1 6007	1.6199	8.8377	69.4213	8.4391	.0698	6.0502
5.0	2.2361	1.3416	1.24	.6689	1.4951	1.4500	.1735	1 6487	1.6605	6.8218	72.7329	7.8568	.0691	5.9465
5.0	2.2361	1.3416	1.24	.6689	1.4951	1.4800	.1015	1 6978	1.7018	3.9246	79.1158	7.2746	.0681	5.8418
5.0	2.2361	1.3416	1.28	.7341	1.3622	.7400	.0589	7089	.7111	4.5523	87.2718	21.1740	.0561	8.9275
5.0	2.2361	1.3416	1.28	.7341	1.3622	.7700	.1417	7418	.7543	10.4239	83.3033	20.5729	.0567	8.8261
5.0	2.2361	1.3416	1.28	.7341	1.3622	.8000	.1868	7752	.7961	13.1450	80.9763	19.9719	.0573	8.7246
5.0	2.2361	1.3416	1.28	.7341	1.3622	.8300	.2191	8090	.8367	14.7856	79.1817	19.3708	.0579	8.6231
5.0	2.2361	1.3416	1.28	.7341	1.3622	.8600	.2436	8432	.8764	15.8142	77.6919	18.7698	.0585	8.5214
5.0	2.2361	1.3416	1.28	.7341	1.3622	.8900	.2626	8779	.9153	16.4363	76.4139	18.1687	.0591	8.4197
5.0	2.2361	1.3416	1.28	.7341	1.3622	.9200	.2771	9130	.9535	16.7637	75.3010	17.5676	.0596	8.3178
5.0	2.2361	1.3416	1.28	.7341	1.3622	.9500	.2880	9486	.9912	16.8645	74.3272	16.9666	.0601	8.2159
5.0	2.2361	1.3416	1.28	.7341	1.3622	.9800	.2956	9847	1.0285	16.7828	73.4787	16.3655	.0606	8.1138
5.0	2.2361	1.3416	1.28	.7341	1.3622	1.0100	.3001	1 0213	1.0654	16.5482	72.7490	15.7645	.0610	8.0115
5.0	2.2361	1.3416	1.28	.7341	1.3622	1.0400	.3018	1 0584	1.1021	16.1808	72.1381	15.1634	.0614	7.9091
5.0	2.2361	1.3416	1.28	.7341	1.3622	1.0700	.3006	1 0961	1.1385	15.6936	71.6509	14.5624	.0617	7.8065
5.0	2.2361	1.3416	1.28	.7341	1.3622	1.1000	.2967	1 1343	1.1749	15.0943	71.2981	13.9613	.0619	7.7037
5.0	2.2361	1.3416	1.28	.7341	1.3622	1.1300	.2898	1 1731	1.2111	14.3858	71.0975	13.3603	.0621	7.6007
5.0	2.2361	1.3416	1.28	.7341	1.3622	1.1600	.2799	1.2125	1.2473	13.5663	71.0757	12.7592	.0622	7.4974
5.0	2.2361	1.3416	1.28	.7341	1.3622	1.1900	.2666	1 2526	1.2836	12.6282	71.2725	12.1581	.0623	7.3938
5.0	2.2361	1.3416	1.28	.7341	1.3622	1.2200	.2495	1 2933	1.3200	11.5559	71.7486	11.5571	.0622	7.2899
5.0	2.2361	1.3416	1.28	.7341	1.3622	1.2500	.2276	1 3347	1.3566	10.3211	72.6006	10.9560	.0620	7.1855
5.0	2.2361	1.3416	1.28	.7341	1.3622	1.2800	.1998	1 3768	1.3935	8.8703	73.9950	10.3550	.0617	7.0807
5.0	2.2361	1.3416	1.28	.7341	1.3622	1.3100	.1629	1 4197	1.4306	7.0882	76.2645	9.7539	.0613	6.9753
5.0	2.2361	1.3416	1.28	.7341	1.3622	1.3400	.1085	1 4633	1.4681	4.6298	80.3238	9.1529	.0607	6.8692
5.0	2.2361	1.3416	1.32	.8346	1.1982	.8400	.0427	8165	.8175	2.9093	87.7902	18.6445	.0547	9.2218
5.0	2.2361	1.3416	1.32	.8346	1.1982	.8700	.1043	.8505	.8566	6.8370	84.4641	18.0247	.0550	9.1166
5.0	2.2361	1.3416	1.32	.8346	1.1982	.9000	.1350	.8849	.8948	8.5284	82.6497	17.4049	.0553	9.0113
5.0	2.2361	1.3416	1.32	.8346	1.1982	.9300	.1544	.9198	.9324	9.4250	81.3623	16.7850	.0556	8.9059
5.0	2.2361	1.3416	1.32	.8346	1.1982	.9600	.1666	.9552	.9694	9.8430	80.4141	16.1652	.0558	8.8003
5.0	2.2361	1.3416	1.32	.8346	1.1982	.9900	.1731	.9910	1.0060	9.9170	79.7403	15.5453	.0560	8.6945
5.0	2.2361	1.3416	1.32	.8346	1.1982	1.0200	.1746	1.0273	1.0423	9.7144	79.3240	14.9255	.0561	8.5885
5.0	2.2361	1.3416	1.32	.8346	1.1982	1.0500	.1713	1.0641	1.0782	9.2675	79.1776	14.3057	.0562	8.4823
5.0	2.2361	1.3416	1.32	.8346	1.1982	1.0800	.1630	1.1015	1.1139	8.5826	79.3435	13.6858	.0562	8.3758
5.0	2.2361	1.3416	1.32	.8346	1.1982	1.1100	.1488	1.1393	1.1495	7.6373	79.9078	13.0660	.0561	8.2690
5.0	2.2361	1.3416	1.32	.8346	1.1982	1.1400	.1270	1.1778	1.1851	6.3579	81.0467	12.4462	.0559	8.1619
5.0	2.2361	1.3416	1.32	.8346	1.1982	1.1700	.0924	1.2168	1.2206	4.5168	83.2099	11.8263	.0557	8.0543

```
  STOP
TIME,   1 MINUTES AND   59 SECONDS

  STOP
TIME,   1 MINUTES AND   59 SECONDS
TIME LIMIT.
TIME,   0 MINUTES AND    5 SECONDS
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LOOP BRANCH (M1 FROM 1 TO 5)

GAMMA = 1.4

M1	M1*	DELMAX	DEL	XMIN	XMAX	X(M2U*)	Y(M2V*)	M2U	M2	THETA	SIGMA	PR21	PTR21	TR21
8.0	2.3591	1.3915	1.00	.4239	2.3591	.4300	.1077	.3991	.4114	14.0566	86.8056	74.2681	.0085	13.3481
8.0	2.3591	1.3915	1.00	.4239	2.3591	.4800	.3221	.4509	.5430	33.8607	80.2742	72.3691	.0091	13.0315
8.0	2.3591	1.3915	1.00	.4239	2.3591	.5300	.4369	.5040	.6532	39.4991	76.5663	70.4700	.0096	12.7149
8.0	2.3591	1.3915	1.00	.4239	2.3591	.5800	.5225	.5586	.7518	42.0146	73.6329	68.5710	.0102	12.3984
8.0	2.3591	1.3915	1.00	.4239	2.3591	.6300	.5917	.6146	.8433	43.2060	71.1077	66.6719	.0109	12.0818
8.0	2.3591	1.3915	1.00	.4239	2.3591	.6800	.6498	.6723	.9299	43.7008	68.8424	64.7729	.0116	11.7652
8.0	2.3591	1.3915	1.00	.4239	2.3591	.7300	.6996	.7316	1.0134	43.7817	66.7591	62.8738	.0124	11.4486
8.0	2.3591	1.3915	1.00	.4239	2.3591	.7800	.7427	.7928	1.0947	43.5963	64.8109	60.9748	.0132	11.1320
8.0	2.3591	1.3915	1.00	.4239	2.3591	.8300	.7802	.8559	1.1746	43.2291	62.9669	59.0757	.0142	10.8154
8.0	2.3591	1.3915	1.00	.4239	2.3591	.8800	.8129	.9210	1.2539	42.7319	61.2053	57.1767	.0152	10.4988
8.0	2.3591	1.3915	1.00	.4239	2.3591	.9300	.8415	.9883	1.3329	42.1384	59.5100	55.2776	.0164	10.1822
8.0	2.3591	1.3915	1.00	.4239	2.3591	.9800	.8661	1.0581	1.4121	41.4708	57.8687	53.3786	.0177	9.8656
8.0	2.3591	1.3915	1.00	.4239	2.3591	1.0300	.8873	1.1303	1.4919	40.7445	56.2716	51.4795	.0191	9.5490
8.0	2.3591	1.3915	1.00	.4239	2.3591	1.0800	.9053	1.2054	1.5728	39.9704	54.7107	49.5805	.0207	9.2324
8.0	2.3591	1.3915	1.00	.4239	2.3591	1.1300	.9202	1.2834	1.6550	39.1559	53.1792	47.6814	.0225	8.9157
8.0	2.3591	1.3915	1.00	.4239	2.3591	1.1800	.9321	1.3646	1.7390	38.3066	51.6714	45.7824	.0246	8.5991
8.0	2.3591	1.3915	1.00	.4239	2.3591	1.2300	.9413	1.4494	1.8251	37.4263	50.1823	43.8833	.0268	8.2824
8.0	2.3591	1.3915	1.00	.4239	2.3591	1.2800	.9477	1.5380	1.9137	36.5173	48.7072	41.9843	.0294	7.9658
8.0	2.3591	1.3915	1.00	.4239	2.3591	1.3300	.9515	1.6308	2.0052	35.5815	47.2419	40.0852	.0324	7.6491
8.0	2.3591	1.3915	1.00	.4239	2.3591	1.3800	.9527	1.7282	2.1001	34.6195	45.7824	38.1862	.0358	7.3324
8.0	2.3591	1.3915	1.00	.4239	2.3591	1.4300	.9512	1.8308	2.1989	33.6315	44.3250	36.2871	.0397	7.0156
8.0	2.3591	1.3915	1.00	.4239	2.3591	1.4800	.9471	1.9391	2.3022	32.6172	42.8659	34.3880	.0442	6.6989
8.0	2.3591	1.3915	1.00	.4239	2.3591	1.5300	.9404	2.0538	2.4107	31.5755	41.4011	32.4890	.0495	6.3821
8.0	2.3591	1.3915	1.00	.4239	2.3591	1.5800	.9309	2.1756	2.5251	30.5049	39.9269	30.5899	.0557	6.0653
8.0	2.3591	1.3915	1.00	.4239	2.3591	1.6300	.9186	2.3055	2.6464	29.4032	38.4389	28.6909	.0630	5.7484
8.0	2.3591	1.3915	1.00	.4239	2.3591	1.6800	.9034	2.4445	2.7755	28.2677	36.9326	26.7918	.0717	5.4315
8.0	2.3591	1.3915	1.00	.4239	2.3591	1.7300	.8851	2.5941	2.9139	27.0948	35.4031	24.8928	.0823	5.1146
8.0	2.3591	1.3915	1.00	.4239	2.3591	1.7800	.8636	2.7559	3.0631	25.8800	33.8446	22.9937	.0951	4.7975
8.0	2.3591	1.3915	1.00	.4239	2.3591	1.8300	.8385	2.9319	3.2250	24.6175	32.2504	21.0947	.1108	4.4804
8.0	2.3591	1.3915	1.00	.4239	2.3591	1.8800	.8097	3.1246	3.4021	23.3001	30.6126	19.1956	.1304	4.1631
8.0	2.3591	1.3915	1.00	.4239	2.3591	1.9300	.7766	3.3375	3.5975	21.9182	28.9217	17.2966	.1551	3.8457
8.0	2.3591	1.3915	1.00	.4239	2.3591	1.9800	.7387	3.5748	3.8154	20.4593	27.1655	15.3975	.1867	3.5281
8.0	2.3591	1.3915	1.00	.4239	2.3591	2.0300	.6953	3.8422	4.0614	18.9062	25.3282	13.4985	.2278	3.2101
8.0	2.3591	1.3915	1.00	.4239	2.3591	2.0800	.6452	4.1480	4.3430	17.2347	23.3886	11.5994	.2821	2.8917
8.0	2.3591	1.3915	1.00	.4239	2.3591	2.1300	.5870	4.5035	4.6714	15.4084	21.3166	9.7004	.3552	2.5725
8.0	2.3591	1.3915	1.00	.4239	2.3591	2.1800	.5181	4.9262	5.0634	13.3688	19.0669	7.8013	.4551	2.2521
8.0	2.3591	1.3915	1.00	.4239	2.3591	2.2300	.4339	5.4445	5.5467	11.0117	16.5647	5.9023	.5918	1.9292
8.0	2.3591	1.3915	1.00	.4239	2.3591	2.2800	.3251	6.1115	6.1733	8.1154	13.6694	4.0032	.7717	1.6006
8.0	2.3591	1.3915	1.00	.4239	2.3591	2.3300	.1641	7.0628	7.0803	4.0298	10.6433	2.1042	.9594	1.2516
8.0	2.3591	1.3915	1.04	.4491	2.2269	.4500	.0405	.4180	.4197	5.1450	88.7543	72.8249	.0084	14.4182
8.0	2.3591	1.3915	1.04	.4491	2.2269	.5000	.2941	.4698	.5451	30.4677	80.7859	70.8499	.0089	14.0889
8.0	2.3591	1.3915	1.04	.4491	2.2269	.5500	.4079	.5229	.6511	36.5635	76.9740	68.8748	.0094	13.7596
8.0	2.3591	1.3915	1.04	.4491	2.2269	.6000	.4912	.5774	.7462	39.3066	74.6019	66.8998	.0099	13.4303
8.0	2.3591	1.3915	1.04	.4491	2.2269	.6500	.5578	.6334	.8346	40.6362	71.4594	64.9248	.0105	13.1009
8.0	2.3591	1.3915	1.04	.4491	2.2269	.7000	.6132	.6908	.9184	41.2204	69.1869	62.9498	.0111	12.7716
8.0	2.3591	1.3915	1.04	.4491	2.2269	.7500	.6603	.7499	.9991	41.3597	67.1022	60.9748	.0118	12.4422
8.0	2.3591	1.3915	1.04	.4491	2.2269	.8000	.7006	.8107	1.0776	41.2111	65.1565	58.9998	.0126	12.1128
8.0	2.3591	1.3915	1.04	.4491	2.2269	.8500	.7354	.8733	1.1548	40.8647	63.3177	57.0248	.0134	11.7834
8.0	2.3591	1.3915	1.04	.4491	2.2269	.9000	.7653	.9379	1.2311	40.3759	61.5636	55.0497	.0142	11.4540
8.0	2.3591	1.3915	1.04	.4491	2.2269	.9500	.7910	1.0045	1.3071	39.7804	59.8778	53.0747	.0152	11.1246
8.0	2.3591	1.3915	1.04	.4491	2.2269	1.0000	.8127	1.0734	1.3832	39.1022	58.2478	51.0997	.0163	10.7952
8.0	2.3591	1.3915	1.04	.4491	2.2269	1.0500	.8310	1.1447	1.4598	38.3576	56.6636	49.1247	.0174	10.4657
8.0	2.3591	1.3915	1.04	.4491	2.2269	1.1000	.8458	1.2185	1.5371	37.5582	55.1174	47.1497	.0187	10.1362
8.0	2.3591	1.3915	1.04	.4491	2.2269	1.1500	.8576	1.2951	1.6156	36.7118	53.6024	45.1747	.0201	9.8067
8.0	2.3591	1.3915	1.04	.4491	2.2269	1.2000	.8662	1.3748	1.6955	35.8243	52.1131	43.1997	.0217	9.4771
8.0	2.3591	1.3915	1.04	.4491	2.2269	1.2500	.8720	1.4576	1.7772	34.8992	50.6446	41.2246	.0234	9.1476
8.0	2.3591	1.3915	1.04	.4491	2.2269	1.3000	.8749	1.5440	1.8610	33.9391	49.1926	39.2496	.0254	8.8179
8.0	2.3591	1.3915	1.04	.4491	2.2269	1.3500	.8749	1.6342	1.9474	32.9452	47.7532	37.2746	.0275	8.4882
8.0	2.3591	1.3915	1.04	.4491	2.2269	1.4000	.8720	1.7286	2.0366	31.9179	46.3230	35.2996	.0299	8.1585
8.0	2.3591	1.3915	1.04	.4491	2.2269	1.4500	.8663	1.8277	2.1291	30.8567	44.8986	33.3246	.0327	7.8287
8.0	2.3591	1.3915	1.04	.4491	2.2269	1.5000	.8577	1.9319	2.2254	29.7604	43.4772	31.3496	.0357	7.4988
8.0	2.3591	1.3915	1.04	.4491	2.2269	1.5500	.8460	2.0417	2.3260	28.6268	42.0558	29.3746	.0392	7.1688
8.0	2.3591	1.3915	1.04	.4491	2.2269	1.6000	.8312	2.1578	2.4316	27.4529	40.6320	27.3995	.0431	6.8388
8.0	2.3591	1.3915	1.04	.4491	2.2269	1.6500	.8131	2.2810	2.5429	26.2347	39.2033	25.4245	.0476	6.5085
8.0	2.3591	1.3915	1.04	.4491	2.2269	1.7000	.7915	2.4121	2.6608	24.9670	37.7677	23.4495	.0526	6.1781
8.0	2.3591	1.3915	1.04	.4491	2.2269	1.7500	.7661	2.5523	2.7862	23.6429	36.3239	21.4745	.0584	5.8475
8.0	2.3591	1.3915	1.04	.4491	2.2269	1.8000	.7365	2.7029	2.9204	22.2533	34.8715	19.4995	.0651	5.5165
8.0	2.3591	1.3915	1.04	.4491	2.2269	1.8500	.7022	2.8653	3.0648	20.7864	33.4121	17.5245	.0726	5.1852
8.0	2.3591	1.3915	1.04	.4491	2.2269	1.9000	.6626	3.0417	3.2214	19.2260	31.9509	15.5494	.0812	4.8533
8.0	2.3591	1.3915	1.04	.4491	2.2269	1.9500	.6167	3.2346	3.3925	17.5491	30.5010	13.5744	.0909	4.5207
8.0	2.3591	1.3915	1.04	.4491	2.2269	2.0000	.5630	3.4472	3.5812	15.7220	29.0920	11.5994	.1016	4.1868
8.0	2.3591	1.3915	1.04	.4491	2.2269	2.0500	.4994	3.6842	3.7919	13.6916	27.7953	9.6244	.1130	3.8511
8.0	2.3591	1.3915	1.04	.4491	2.2269	2.1000	.4221	3.9520	4.0310	11.3656	26.8032	7.6494	.1240	3.5121
8.0	2.3591	1.3915	1.04	.4491	2.2269	2.1500	.3235	4.2612	4.3092	8.5561	26.7806	5.6744	.1322	3.1665
8.0	2.3591	1.3915	1.04	.4491	2.2269	2.2000	.1812	4.6336	4.6493	4.7095	32.6018	3.6994	.1319	2.8040

8.0	2.3591	1.3915	1.08	.4760	2.1008	.4800	.0798	.4471	.4532	9.4390	87.4475	70.9106	.0084	15.4611
8.0	2.3591	1.3915	1.08	.4760	2.1008	.5300	.2888	.4992	.5685	28.5828	80.5776	68.8596	.0088	15.1191
8.0	2.3591	1.3915	1.08	.4760	2.1008	.5800	.3942	.5526	.6682	34.2029	76.6701	66.8087	.0092	14.7770
8.0	2.3591	1.3915	1.08	.4760	2.1008	.6300	.4716	.6073	.7586	36.8188	73.9563	64.7577	.0097	14.4348
8.0	2.3591	1.3915	1.08	.4760	2.1008	.6800	.5333	.6634	.8431	38.1084	71.4567	62.7067	.0102	14.0927
8.0	2.3591	1.3915	1.08	.4760	2.1008	.7300	.5844	.7210	.9236	38.6780	69.2201	60.6557	.0108	13.7505
8.0	2.3591	1.3915	1.08	.4760	2.1008	.7800	.6273	.7802	1.0012	38.8089	67.1677	58.6048	.0114	13.4084
8.0	2.3591	1.3915	1.08	.4760	2.1008	.8300	.6638	.8410	1.0768	38.6507	65.2524	56.5538	.0120	13.0662
8.0	2.3591	1.3915	1.08	.4760	2.1008	.8800	.6947	.9035	1.1512	38.2907	63.4435	54.5028	.0127	12.7239
8.0	2.3591	1.3915	1.08	.4760	2.1008	.9300	.7209	.9680	1.2248	37.7831	61.7193	52.4518	.0135	12.3817
8.0	2.3591	1.3915	1.08	.4760	2.1008	.9800	.7429	1.0344	1.2980	37.1632	60.0642	50.4009	.0143	12.0394
8.0	2.3591	1.3915	1.08	.4760	2.1008	1.0300	.7609	1.1030	1.3713	36.4545	58.4661	48.3499	.0151	11.6970
8.0	2.3591	1.3915	1.08	.4760	2.1008	1.0800	.7753	1.1738	1.4450	35.6734	56.9157	46.2989	.0161	11.3546
8.0	2.3591	1.3915	1.08	.4760	2.1008	1.1300	.7863	1.2471	1.5193	34.8310	55.4058	44.2479	.0171	11.0122
8.0	2.3591	1.3915	1.08	.4760	2.1008	1.1800	.7940	1.3231	1.5947	33.9351	53.9302	42.1970	.0182	10.6697
8.0	2.3591	1.3915	1.08	.4760	2.1008	1.2300	.7985	1.4018	1.6713	32.9908	52.4842	40.1460	.0194	10.3272
8.0	2.3591	1.3915	1.08	.4760	2.1008	1.2800	.7999	1.4836	1.7495	32.0015	51.0637	38.0950	.0208	9.9845
8.0	2.3591	1.3915	1.08	.4760	2.1008	1.3300	.7982	1.5687	1.8295	30.9689	49.6657	36.0440	.0222	9.6418
8.0	2.3591	1.3915	1.08	.4760	2.1008	1.3800	.7933	1.6574	1.9118	29.8933	48.2877	33.9930	.0238	9.2990
8.0	2.3591	1.3915	1.08	.4760	2.1008	1.4300	.7853	1.7501	1.9966	28.7740	46.9281	31.9421	.0255	8.9560
8.0	2.3591	1.3915	1.08	.4760	2.1008	1.4800	.7740	1.8470	2.0843	27.6089	45.5861	29.8911	.0273	8.6129
8.0	2.3591	1.3915	1.08	.4760	2.1008	1.5300	.7593	1.9486	2.1754	26.3948	44.2622	27.8401	.0293	8.2696
8.0	2.3591	1.3915	1.08	.4760	2.1008	1.5800	.7410	2.0554	2.2703	25.1270	42.9583	25.7891	.0315	7.9260
8.0	2.3591	1.3915	1.08	.4760	2.1008	1.6300	.7189	2.1680	2.3695	23.7992	41.6782	23.7382	.0339	7.5822
8.0	2.3591	1.3915	1.08	.4760	2.1008	1.6800	.6925	2.2870	2.4737	22.4027	40.4297	21.6872	.0364	7.2379
8.0	2.3591	1.3915	1.08	.4760	2.1008	1.7300	.6615	2.4133	2.5837	20.9259	39.2258	19.6362	.0391	6.8932
8.0	2.3591	1.3915	1.08	.4760	2.1008	1.7800	.6252	2.5477	2.7002	19.3525	38.0895	17.5852	.0420	6.5479
8.0	2.3591	1.3915	1.08	.4760	2.1008	1.8300	.5826	2.6914	2.8245	17.6598	37.0619	15.5343	.0448	6.2015
8.0	2.3591	1.3915	1.08	.4760	2.1008	1.8800	.5325	2.8458	2.9578	15.8137	36.2215	13.4833	.0476	5.8539
8.0	2.3591	1.3915	1.08	.4760	2.1008	1.9300	.4726	3.0129	3.1019	13.7603	35.6316	11.4323	.0501	5.5042
8.0	2.3591	1.3915	1.08	.4760	2.1008	1.9800	.3994	3.1951	3.2595	11.4039	35.9861	9.3813	.0518	5.1511
8.0	2.3591	1.3915	1.08	.4760	2.1008	2.0300	.3048	3.3964	3.4345	8.5399	38.2162	7.3304	.0522	4.7918
8.0	2.3591	1.3915	1.08	.4760	2.1008	2.0800	.1620	3.6237	3.6347	4.4528	49.5552	5.2794	.0499	4.4194
8.0	2.3591	1.3915	1.12	.5051	1.9797	.5100	.0838	.4763	.4827	9.3316	87.2091	68.9052	.0083	16.5400
8.0	2.3591	1.3915	1.12	.5051	1.9797	.5600	.2766	.5287	.5897	26.2889	80.5895	66.7783	.0087	16.1852
8.0	2.3591	1.3915	1.12	.5051	1.9797	.6100	.3756	.5823	.6838	31.6188	76.9413	64.6513	.0091	15.8303
8.0	2.3591	1.3915	1.12	.5051	1.9797	.6600	.4478	.6372	.7701	34.1586	74.6708	62.5244	.0095	15.4753
8.0	2.3591	1.3915	1.12	.5051	1.9797	.7100	.5051	.6935	.8511	35.4266	71.6094	60.3975	.0099	15.1204
8.0	2.3591	1.3915	1.12	.5051	1.9797	.7600	.5519	.7512	.9284	35.9885	69.4091	58.2705	.0104	14.7654
8.0	2.3591	1.3915	1.12	.5051	1.9797	.8100	.5909	.8104	1.0032	36.1122	67.3929	56.1436	.0109	14.4103
8.0	2.3591	1.3915	1.12	.5051	1.9797	.8600	.6235	.8713	1.0761	35.9426	65.5149	54.0167	.0115	14.0552
8.0	2.3591	1.3915	1.12	.5051	1.9797	.9100	.6507	.9338	1.1479	35.5651	63.7450	51.8897	.0121	13.7001
8.0	2.3591	1.3915	1.12	.5051	1.9797	.9600	.6730	.9981	1.2190	35.0331	62.0625	49.7628	.0127	13.3449
8.0	2.3591	1.3915	1.12	.5051	1.9797	1.0100	.6911	1.0644	1.2897	34.3814	60.4524	47.6358	.0133	12.9897
8.0	2.3591	1.3915	1.12	.5051	1.9797	1.0600	.7052	1.1327	1.3604	33.6335	58.9035	45.5089	.0140	12.6344
8.0	2.3591	1.3915	1.12	.5051	1.9797	1.1100	.7155	1.2031	1.4314	32.8053	57.4077	43.3820	.0148	12.2790
8.0	2.3591	1.3915	1.12	.5051	1.9797	1.1600	.7222	1.2759	1.5030	31.9075	55.9587	41.2550	.0156	11.9235
8.0	2.3591	1.3915	1.12	.5051	1.9797	1.2100	.7255	1.3512	1.5755	30.9473	54.5521	39.1281	.0164	11.5679
8.0	2.3591	1.3915	1.12	.5051	1.9797	1.2600	.7254	1.4292	1.6491	29.9292	53.1849	37.0011	.0173	11.2122
8.0	2.3591	1.3915	1.12	.5051	1.9797	1.3100	.7218	1.5101	1.7241	28.8553	51.8557	34.8742	.0183	10.8563
8.0	2.3591	1.3915	1.12	.5051	1.9797	1.3600	.7148	1.5941	1.8008	27.7259	50.5645	32.7473	.0193	10.5003
8.0	2.3591	1.3915	1.12	.5051	1.9797	1.4100	.7042	1.6814	1.8795	26.5396	49.3133	30.6203	.0204	10.1440
8.0	2.3591	1.3915	1.12	.5051	1.9797	1.4600	.6899	1.7725	1.9604	25.2932	48.1066	28.4934	.0215	9.7875
8.0	2.3591	1.3915	1.12	.5051	1.9797	1.5100	.6717	1.8676	2.0440	23.9812	46.9524	26.3665	.0226	9.4306
8.0	2.3591	1.3915	1.12	.5051	1.9797	1.5600	.6492	1.9670	2.1306	22.5961	45.8636	24.2395	.0238	9.0734
8.0	2.3591	1.3915	1.12	.5051	1.9797	1.6100	.6221	2.0713	2.2206	21.1269	44.8614	22.1126	.0250	8.7156
8.0	2.3591	1.3915	1.12	.5051	1.9797	1.6600	.5897	2.1810	2.3145	19.5581	43.9807	19.9856	.0262	8.3571
8.0	2.3591	1.3915	1.12	.5051	1.9797	1.7100	.5512	2.2966	2.4130	17.8674	43.2808	17.8587	.0273	7.9977
8.0	2.3591	1.3915	1.12	.5051	1.9797	1.7600	.5054	2.4189	2.5167	16.0212	42.8688	15.7318	.0283	7.6369
8.0	2.3591	1.3915	1.12	.5051	1.9797	1.8100	.4501	2.5489	2.6265	13.9657	42.9562	13.6048	.0290	7.2742
8.0	2.3591	1.3915	1.12	.5051	1.9797	1.8600	.3819	2.6877	2.7438	11.6038	44.0223	11.4779	.0293	6.9085
8.0	2.3591	1.3915	1.12	.5051	1.9797	1.9100	.2930	2.8372	2.8704	8.7218	47.4413	9.3509	.0289	6.5378
8.0	2.3591	1.3915	1.12	.5051	1.9797	1.9600	.1552	2.9999	3.0093	4.5267	60.0319	7.2240	.0276	6.1578
8.0	2.3591	1.3915	1.16	.5370	1.8621	.5400	.0621	.5056	.5089	6.5555	87.8467	66.8087	.0082	17.6549
8.0	2.3591	1.3915	1.16	.5370	1.8621	.5900	.2572	.5582	.6090	23.5554	80.8692	64.6058	.0085	17.2872
8.0	2.3591	1.3915	1.16	.5370	1.8621	.6400	.3514	.6121	.6983	28.7697	77.2291	62.4029	.0089	16.9194
8.0	2.3591	1.3915	1.16	.5370	1.8621	.6900	.4193	.6672	.7807	31.2869	74.3856	60.2000	.0092	16.5517
8.0	2.3591	1.3915	1.16	.5370	1.8621	.7400	.4724	.7236	.8585	32.5539	71.9583	57.9971	.0096	16.1838
8.0	2.3591	1.3915	1.16	.5370	1.8621	.7900	.5153	.7814	.9330	33.1160	69.7971	55.7942	.0100	15.8159
8.0	2.3591	1.3915	1.16	.5370	1.8621	.8400	.5504	.8407	1.0051	33.2340	67.8245	53.5913	.0105	15.4480
8.0	2.3591	1.3915	1.16	.5370	1.8621	.8900	.5791	.9016	1.0756	33.0505	65.9949	51.3884	.0109	15.0800
8.0	2.3591	1.3915	1.16	.5370	1.8621	.9400	.6023	.9641	1.1450	32.6500	64.2791	49.1855	.0114	14.7119
8.0	2.3591	1.3915	1.16	.5370	1.8621	.9900	.6207	1.0283	1.2137	32.0857	62.6572	46.9826	.0119	14.3437
8.0	2.3591	1.3915	1.16	.5370	1.8621	1.0400	.6346	1.0944	1.2820	31.3720	61.1155	44.7797	.0124	13.9754
8.0	2.3591	1.3915	1.16	.5370	1.8621	1.0900	.6444	1.1624	1.3503	30.5920	59.6445	42.5768	.0129	13.6070
8.0	2.3591	1.3915	1.16	.5370	1.8621	1.1400	.6503	1.2325	1.4189	29.7011	58.2381	40.3739	.0135	13.2385
8.0	2.3591	1.3915	1.16	.5370	1.8621	1.1900	.6523	1.3049	1.4880	28.7291	56.8929	38.1710	.0141	12.8698
8.0	2.3591	1.3915	1.16	.5370	1.8621	1.2400	.6505	1.3796	1.5579	27.6821	55.6079	35.9681	.0147	12.5009
8.0	2.3591	1.3915	1.16	.5370	1.8621	1.2900	.6449	1.4569	1.6288	26.5627	54.3852	33.7652	.0153	12.1318
8.0	2.3591	1.3915	1.16	.5370	1.8621	1.3400	.6354	1.5370	1.7010	25.3710	53.2299	31.5623	.0160	11.7624
8.0	2.3591	1.3915	1.16	.5370	1.8621	1.3900	.6219	1.6200	1.7747	24.1040	52.1516	29.3594	.0166	11.3927
8.0	2.3591	1.3915	1.16	.5370	1.8621	1.4400	.6040	1.7062	1.8502	22.7561	51.1661	27.1565	.0173	11.0226
8.0	2.3591	1.3915	1.16	.5370	1.8621	1.4900	.5815	1.7959	1.9278	21.3181	50.2984	24.9536	.0179	10.6519
8.0	2.3591	1.3915	1.16	.5370	1.8621	1.5400	.5537	1.8894	2.0078	19.7758	49.5890	22.7507	.0185	10.2806
8.0	2.3591	1.3915	1.16	.5370	1.8621	1.5900	.5200	1.9870	2.0906	18.1084	49.1045	20.5478	.0190	9.9084
8.0	2.3591	1.3915	1.16	.5370	1.8621	1.6400	.4791	2.0892	2.1766	16.2837	48.9610	18.3449	.0194	9.5350
8.0	2.3591	1.3915	1.16	.5370	1.8621	1.6900	.4292	2.1966	2.2663	14.2495	49.3774	16.1420	.0196	9.1599
8.0	2.3591	1.3915	1.16	.5370	1.8621	1.7400	.3670	2.3097	2.3605	11.9109	50.8206	13.9391	.0196	8.7823
8.0	2.3591	1.3915	1.16	.5370	1.8621	1.7900	.2854	2.4294	2.4601	9.0591	54.5151	11.7362	.0193	8.4009
8.0	2.3591	1.3915	1.16	.5370	1.8621	1.8400	.1591	2.5570	2.5665	4.9409	65.5805	9.5333	.0185	8.0129

8.0	2.3591	1.3915	1.20	.5725	1.7466	.5800	.0924	.5454	.5523	9.0544	86.6384	64.1652	.0081	18.7295
8.0	2.3591	1.3915	1.20	.5725	1.7466	.6300	.2509	.5985	.6442	21.7152	80.6483	61.8863	.0084	18.3490
8.0	2.3591	1.3915	1.20	.5725	1.7466	.6800	.3352	.6528	.7278	26.2425	77.1834	59.6075	.0087	17.9683
8.0	2.3591	1.3915	1.20	.5725	1.7466	.7300	.3960	.7084	.8059	28.4789	74.4541	57.3286	.0090	17.5876
8.0	2.3591	1.3915	1.20	.5725	1.7466	.7800	.4430	.7652	.8800	29.5970	72.1223	55.0497	.0093	17.2069
8.0	2.3591	1.3915	1.20	.5725	1.7466	.8300	.4804	.8234	.9514	30.0621	70.0507	52.7709	.0097	16.8260
8.0	2.3591	1.3915	1.20	.5725	1.7466	.8800	.5102	.8831	1.0208	30.1041	68.1679	50.4920	.0100	16.4451
8.0	2.3591	1.3915	1.20	.5725	1.7466	.9300	.5337	.9442	1.0887	29.8513	66.4324	48.2132	.0104	16.0640
8.0	2.3591	1.3915	1.20	.5725	1.7466	.9800	.5518	1.0070	1.1557	29.3809	64.8180	45.9343	.0108	15.6828
8.0	2.3591	1.3915	1.20	.5725	1.7466	1.0300	.5649	1.0715	1.2221	28.7414	63.3081	43.6554	.0112	15.3015
8.0	2.3591	1.3915	1.20	.5725	1.7466	1.0800	.5734	1.1378	1.2882	27.9644	61.8928	41.3766	.0116	14.9200
8.0	2.3591	1.3915	1.20	.5725	1.7466	1.1300	.5775	1.2060	1.3544	27.0701	60.5670	39.0977	.0120	14.5383
8.0	2.3591	1.3915	1.20	.5725	1.7466	1.1800	.5773	1.2763	1.4208	26.0714	59.3302	36.8188	.0124	14.1564
8.0	2.3591	1.3915	1.20	.5725	1.7466	1.2300	.5729	1.3487	1.4878	24.9751	58.1867	34.5400	.0128	13.7742
8.0	2.3591	1.3915	1.20	.5725	1.7466	1.2800	.5641	1.4234	1.5555	23.7837	57.1462	32.2611	.0132	13.3917
8.0	2.3591	1.3915	1.20	.5725	1.7466	1.3300	.5508	1.5006	1.6242	22.4950	56.2258	29.9822	.0135	13.0087
8.0	2.3591	1.3915	1.20	.5725	1.7466	1.3800	.5326	1.5805	1.6941	21.1023	55.4533	27.7034	.0139	12.6253
8.0	2.3591	1.3915	1.20	.5725	1.7466	1.4300	.5090	1.6632	1.7655	19.5933	54.8731	25.4245	.0142	12.2412
8.0	2.3591	1.3915	1.20	.5725	1.7466	1.4800	.4794	1.7491	1.8386	17.9479	54.5581	23.1457	.0145	11.8562
8.0	2.3591	1.3915	1.20	.5725	1.7466	1.5300	.4426	1.8384	1.9138	16.1336	54.6327	20.8668	.0146	11.4702
8.0	2.3591	1.3915	1.20	.5725	1.7466	1.5800	.3967	1.9314	1.9913	14.0955	55.3266	18.5879	.0147	11.0826
8.0	2.3591	1.3915	1.20	.5725	1.7466	1.6300	.3385	2.0285	2.0717	11.7310	57.1162	16.3091	.0146	10.6929
8.0	2.3591	1.3915	1.20	.5725	1.7466	1.6800	.2602	2.1302	2.1556	8.8034	61.2136	14.0302	.0143	10.3000
8.0	2.3591	1.3915	1.20	.5725	1.7466	1.7300	.1316	2.2372	2.2437	4.3515	72.7334	11.7513	.0138	9.9021
8.0	2.3591	1.3915	1.24	.6130	1.6313	.6200	.0834	.5854	.5907	7.6578	86.8159	61.4002	.0080	19.8349
8.0	2.3591	1.3915	1.24	.6130	1.6313	.6700	.2318	.6390	.6761	19.0823	80.9092	59.0453	.0082	19.4414
8.0	2.3591	1.3915	1.24	.6130	1.6313	.7200	.3091	.6937	.7549	23.2311	77.5386	56.6905	.0085	19.0478
8.0	2.3591	1.3915	1.24	.6130	1.6313	.7700	.3638	.7497	.8291	25.2882	74.9029	54.3357	.0087	18.6541
8.0	2.3591	1.3915	1.24	.6130	1.6313	.8200	.4052	.8069	.9001	26.2964	72.6692	51.9809	.0090	18.2603
8.0	2.3591	1.3915	1.24	.6130	1.6313	.8700	.4371	.8655	.9686	26.6771	70.7038	49.6260	.0093	17.8664
8.0	2.3591	1.3915	1.24	.6130	1.6313	.9200	.4615	.9255	1.0354	26.6413	68.9389	47.2712	.0096	17.4723
8.0	2.3591	1.3915	1.24	.6130	1.6313	.9700	.4796	.9870	1.1011	26.3080	67.3366	44.9164	.0098	17.0781
8.0	2.3591	1.3915	1.24	.6130	1.6313	1.0200	.4920	1.0501	1.1658	25.7485	65.8753	42.5616	.0101	16.6836
8.0	2.3591	1.3915	1.24	.6130	1.6313	1.0700	.4991	1.1148	1.2302	25.0074	64.5444	40.2067	.0104	16.2890
8.0	2.3591	1.3915	1.24	.6130	1.6313	1.1200	.5013	1.1813	1.2943	24.1124	63.3416	37.8519	.0107	15.8940
8.0	2.3591	1.3915	1.24	.6130	1.6313	1.1700	.4986	1.2497	1.3584	23.0796	62.2727	35.4971	.0109	15.4988
8.0	2.3591	1.3915	1.24	.6130	1.6313	1.2200	.4909	1.3201	1.4229	21.9168	61.3524	33.1423	.0112	15.1031
8.0	2.3591	1.3915	1.24	.6130	1.6313	1.2700	.4780	1.3926	1.4879	20.6238	60.6075	30.7874	.0114	14.7070
8.0	2.3591	1.3915	1.24	.6130	1.6313	1.3200	.4595	1.4673	1.5537	19.1931	60.0822	28.4326	.0116	14.3102
8.0	2.3591	1.3915	1.24	.6130	1.6313	1.3700	.4348	1.5445	1.6204	17.6073	59.8492	26.0778	.0117	13.9127
8.0	2.3591	1.3915	1.24	.6130	1.6313	1.4200	.4028	1.6243	1.6884	15.8352	60.0321	23.7230	.0118	13.5142
8.0	2.3591	1.3915	1.24	.6130	1.6313	1.4700	.3616	1.7069	1.7578	13.8205	60.8549	21.3681	.0118	13.1144
8.0	2.3591	1.3915	1.24	.6130	1.6313	1.5200	.3080	1.7926	1.8291	11.4532	62.7725	19.0133	.0117	12.7128
8.0	2.3591	1.3915	1.24	.6130	1.6313	1.5700	.2337	1.8818	1.9025	8.4672	66.9211	16.6585	.0115	12.3086
8.0	2.3591	1.3915	1.24	.6130	1.6313	1.6200	.1024	1.9747	1.9786	3.6178	78.3891	14.3037	.0111	11.9006
8.0	2.3591	1.3915	1.28	.6607	1.5135	.6700	.0875	.6363	.6417	7.4388	86.4627	58.0275	.0078	20.8895
8.0	2.3591	1.3915	1.28	.6607	1.5135	.7200	.2146	.6906	.7206	16.5939	81.0680	55.5967	.0080	20.4829
8.0	2.3591	1.3915	1.28	.6607	1.5135	.7700	.2819	.7459	.7944	20.1060	77.9030	53.1659	.0083	20.0763
8.0	2.3591	1.3915	1.28	.6607	1.5135	.8200	.3285	.8026	.8646	21.8310	75.4447	50.7351	.0085	19.6695
8.0	2.3591	1.3915	1.28	.6607	1.5135	.8700	.3625	.8604	.9321	22.6199	73.3892	48.3043	.0087	19.2625
8.0	2.3591	1.3915	1.28	.6607	1.5135	.9200	.3872	.9197	.9978	22.8271	71.6154	45.8735	.0089	18.8553
8.0	2.3591	1.3915	1.28	.6607	1.5135	.9700	.4044	.9803	1.0621	22.6336	70.0654	43.4427	.0091	18.4479
8.0	2.3591	1.3915	1.28	.6607	1.5135	1.0200	.4150	1.0424	1.1254	22.1413	68.7116	41.0119	.0093	18.0403
8.0	2.3591	1.3915	1.28	.6607	1.5135	1.0700	.4195	1.1061	1.1881	21.4103	67.5452	38.5812	.0094	17.6323
8.0	2.3591	1.3915	1.28	.6607	1.5135	1.1200	.4182	1.1714	1.2504	20.4753	66.5728	36.1504	.0096	17.2239
8.0	2.3591	1.3915	1.28	.6607	1.5135	1.1700	.4110	1.2385	1.3127	19.3535	65.8171	33.7196	.0097	16.8151
8.0	2.3591	1.3915	1.28	.6607	1.5135	1.2200	.3975	1.3074	1.3751	18.0478	65.3216	31.2888	.0098	16.4057
8.0	2.3591	1.3915	1.28	.6607	1.5135	1.2700	.3773	1.3784	1.4379	16.5464	65.1618	28.8580	.0099	15.9955
8.0	2.3591	1.3915	1.28	.6607	1.5135	1.3200	.3492	1.4514	1.5013	14.8178	65.4689	26.4272	.0100	15.5845
8.0	2.3591	1.3915	1.28	.6607	1.5135	1.3700	.3112	1.5267	1.5656	12.7969	66.4849	23.9964	.0099	15.1723
8.0	2.3591	1.3915	1.28	.6607	1.5135	1.4200	.2591	1.6045	1.6309	10.3416	68.7154	21.5656	.0098	14.7585
8.0	2.3591	1.3915	1.28	.6607	1.5135	1.4700	.1818	1.6849	1.6977	7.0488	73.5386	19.1349	.0096	14.3425
8.0	2.3591	1.3915	1.32	.7206	1.3877	.7300	.0777	.6985	.7024	6.0731	86.6411	54.0015	.0077	21.8853
8.0	2.3591	1.3915	1.32	.7206	1.3877	.7800	.1878	.7536	.7751	13.5368	81.6103	51.4947	.0078	21.4656
8.0	2.3591	1.3915	1.32	.7206	1.3877	.8300	.2440	.8099	.8442	16.3837	78.7188	48.9880	.0080	21.0457
8.0	2.3591	1.3915	1.32	.7206	1.3877	.8800	.2809	.8674	.9105	17.7015	76.5377	46.4812	.0081	20.6256
8.0	2.3591	1.3915	1.32	.7206	1.3877	.9300	.3054	.9261	.9748	18.1818	74.7884	43.9745	.0083	20.2051
8.0	2.3591	1.3915	1.32	.7206	1.3877	.9800	.3206	.9863	1.0377	18.1147	73.3694	41.4677	.0084	19.7844
8.0	2.3591	1.3915	1.32	.7206	1.3877	1.0300	.3277	1.0478	1.0995	17.6465	72.2454	38.9610	.0085	19.3633
8.0	2.3591	1.3915	1.32	.7206	1.3877	1.0800	.3272	1.1108	1.1607	16.8542	71.4195	36.4542	.0086	18.9417
8.0	2.3591	1.3915	1.32	.7206	1.3877	1.1300	.3192	1.1754	1.2214	15.7732	70.9298	33.9475	.0087	18.5196
8.0	2.3591	1.3915	1.32	.7206	1.3877	1.1800	.3031	1.2417	1.2820	14.4068	70.8584	31.4407	.0087	18.0968
8.0	2.3591	1.3915	1.32	.7206	1.3877	1.2300	.2777	1.3097	1.3427	12.7211	71.3629	28.9340	.0087	17.6732
8.0	2.3591	1.3915	1.32	.7206	1.3877	1.2800	.2400	1.3796	1.4037	10.6189	72.7591	26.4272	.0087	17.2484
8.0	2.3591	1.3915	1.32	.7206	1.3877	1.3300	.1829	1.4516	1.4652	7.8296	75.8103	23.9205	.0086	16.8222
8.0	2.3591	1.3915	1.32	.7206	1.3877	1.3800	.0692	1.5257	1.5276	2.8716	84.1302	21.4137	.0084	16.3940
8.0	2.3591	1.3915	1.36	.8067	1.2396	.8100	.0370	.7836	.7844	2.6153	88.2528	48.7601	.0075	22.7276
8.0	2.3591	1.3915	1.36	.8067	1.2396	.8600	.1404	.8400	.8511	9.2712	83.1165	46.1774	.0076	22.2943
8.0	2.3591	1.3915	1.36	.8067	1.2396	.9100	.1820	.8976	.9154	11.3101	80.7120	43.5947	.0077	21.8608
8.0	2.3591	1.3915	1.36	.8067	1.2396	.9600	.2040	.9565	.9779	11.9993	79.1332	41.0119	.0078	21.4268
8.0	2.3591	1.3915	1.36	.8067	1.2396	1.0100	.2127	1.0167	1.0390	11.8937	78.1393	38.4292	.0078	20.9924
8.0	2.3591	1.3915	1.36	.8067	1.2396	1.0600	.2098	1.0782	1.0991	11.1940	77.7098	35.8465	.0078	20.5574
8.0	2.3591	1.3915	1.36	.8067	1.2396	1.1100	.1947	1.1412	1.1587	9.9504	77.9584	33.2638	.0078	20.1217
8.0	2.3591	1.3915	1.36	.8067	1.2396	1.1600	.1645	1.2058	1.2179	8.0689	79.2099	30.6811	.0078	19.6851
8.0	2.3591	1.3915	1.36	.8067	1.2396	1.2100	.1069	1.2720	1.2770	5.0493	82.5075	28.0984	.0077	19.2475

LOOP BRANCH (M1 FROM 1 TO 5)

GAMMA = 1.4

M1	M1*	DELMAX	DEL	XMIN	XMAX	X(M2U*)	Y(M2V*)	M2U	M2	THETA	SIGMA	PR21	PTR21	TR21
11.0	2.4004	1.4085	1.00	.4166	2.4004	.4200	.0817	.3894	.3967	11.0136	87.6364	140.7599	.0020	24.4311
11.0	2.4004	1.4085	1.00	.4166	2.4004	.4700	.3197	.4411	.5335	34.2246	80.5962	137.2313	.0021	23.8429
11.0	2.4004	1.4085	1.00	.4166	2.4004	.5200	.4390	.4941	.6467	40.1737	76.6583	133.7027	.0022	23.2548
11.0	2.4004	1.4085	1.00	.4166	2.4004	.5700	.5275	.5486	.7475	42.7833	73.9232	130.1742	.0023	22.6667
11.0	2.4004	1.4085	1.00	.4166	2.4004	.6200	.5990	.6047	.8408	44.0132	71.4048	126.6456	.0025	22.0785
11.0	2.4004	1.4085	1.00	.4166	2.4004	.6700	.6590	.6623	.9290	44.5276	69.1501	123.1170	.0027	21.4904
11.0	2.4004	1.4085	1.00	.4166	2.4004	.7200	.7105	.7217	1.0139	44.6212	67.0794	119.5884	.0029	20.9023
11.0	2.4004	1.4085	1.00	.4166	2.4004	.7700	.7552	.7829	1.0966	44.4459	65.1450	116.0598	.0031	20.3141
11.0	2.4004	1.4085	1.00	.4166	2.4004	.8200	.7943	.8461	1.1779	44.0885	63.3157	112.5312	.0033	19.7260
11.0	2.4004	1.4085	1.00	.4166	2.4004	.8700	.8285	.9113	1.2585	43.6016	61.5695	109.0027	.0036	19.1378
11.0	2.4004	1.4085	1.00	.4166	2.4004	.9200	.8585	.9789	1.3389	43.0192	59.8904	105.4741	.0038	18.5497
11.0	2.4004	1.4085	1.00	.4166	2.4004	.9700	.8846	1.0488	1.4195	42.3640	58.2658	101.9455	.0042	17.9615
11.0	2.4004	1.4085	1.00	.4166	2.4004	1.0200	.9072	1.1214	1.5008	41.6514	56.6860	98.4169	.0045	17.3734
11.0	2.4004	1.4085	1.00	.4166	2.4004	1.0700	.9266	1.1968	1.5832	40.8924	55.1430	94.8883	.0049	16.7852
11.0	2.4004	1.4085	1.00	.4166	2.4004	1.1200	.9429	1.2753	1.6671	40.0947	53.6302	91.3597	.0053	16.1971
11.0	2.4004	1.4085	1.00	.4166	2.4004	1.1700	.9564	1.3571	1.7528	39.2637	52.1418	87.8312	.0058	15.6089
11.0	2.4004	1.4085	1.00	.4166	2.4004	1.2200	.9671	1.4425	1.8408	38.4033	50.6729	84.3026	.0064	15.0207
11.0	2.4004	1.4085	1.00	.4166	2.4004	1.2700	.9751	1.5319	1.9314	37.5163	49.2190	80.7740	.0071	14.4326
11.0	2.4004	1.4085	1.00	.4166	2.4004	1.3200	.9805	1.6257	2.0251	36.6043	47.7760	77.2454	.0078	13.8444
11.0	2.4004	1.4085	1.00	.4166	2.4004	1.3700	.9833	1.7243	2.1225	35.6683	46.3399	73.7168	.0087	13.2562
11.0	2.4004	1.4085	1.00	.4166	2.4004	1.4200	.9836	1.8283	2.2240	34.7087	44.9073	70.1882	.0097	12.6680
11.0	2.4004	1.4085	1.00	.4166	2.4004	1.4700	.9813	1.9382	2.3304	33.7254	43.4744	66.6597	.0109	12.0797
11.0	2.4004	1.4085	1.00	.4166	2.4004	1.5200	.9765	2.0548	2.4423	32.7177	42.0377	63.1311	.0123	11.4915
11.0	2.4004	1.4085	1.00	.4166	2.4004	1.5700	.9691	2.1789	2.5605	31.6845	40.5935	59.6025	.0139	10.9033
11.0	2.4004	1.4085	1.00	.4166	2.4004	1.6200	.9590	2.3115	2.6861	30.6241	39.1378	56.0739	.0159	10.3150
11.0	2.4004	1.4085	1.00	.4166	2.4004	1.6700	.9462	2.4538	2.8203	29.5343	37.6667	52.5453	.0183	9.7267
11.0	2.4004	1.4085	1.00	.4166	2.4004	1.7200	.9305	2.6074	2.9645	28.4124	36.1755	49.0167	.0212	9.1384
11.0	2.4004	1.4085	1.00	.4166	2.4004	1.7700	.9118	2.7740	3.1204	27.2549	34.6591	45.4882	.0249	8.5500
11.0	2.4004	1.4085	1.00	.4166	2.4004	1.8200	.8899	2.9558	3.2903	26.0573	33.1118	41.9596	.0295	7.9616
11.0	2.4004	1.4085	1.00	.4166	2.4004	1.8700	.8646	3.1559	3.4769	24.8143	31.5266	38.4310	.0353	7.3732
11.0	2.4004	1.4085	1.00	.4166	2.4004	1.9200	.8356	3.3779	3.6839	23.5187	29.8956	34.9024	.0429	6.7847
11.0	2.4004	1.4085	1.00	.4166	2.4004	1.9700	.8024	3.6268	3.9161	22.1616	28.2085	31.3738	.0530	6.1961
11.0	2.4004	1.4085	1.00	.4166	2.4004	2.0200	.7645	3.9092	4.1798	20.7310	26.4526	27.8452	.0667	5.6073
11.0	2.4004	1.4085	1.00	.4166	2.4004	2.0700	.7215	4.2345	4.4842	19.2107	24.6110	24.3167	.0859	5.0184
11.0	2.4004	1.4085	1.00	.4166	2.4004	2.1200	.6716	4.6162	4.8423	17.5776	22.6611	20.7881	.1137	4.4292
11.0	2.4004	1.4085	1.00	.4166	2.4004	2.1700	.6139	5.0750	5.2742	15.7976	20.5697	17.2595	.1556	3.8395
11.0	2.4004	1.4085	1.00	.4166	2.4004	2.2200	.5459	5.6440	5.8121	13.8152	18.2862	13.7309	.2221	3.2490
11.0	2.4004	1.4085	1.00	.4166	2.4004	2.2700	.4631	6.3818	6.5132	11.5312	15.7250	10.2023	.3337	2.6570
11.0	2.4004	1.4085	1.00	.4166	2.4004	2.3200	.3563	7.4059	7.4927	8.7304	12.7165	6.6737	.5312	2.0608
11.0	2.4004	1.4085	1.00	.4166	2.4004	2.3700	.1961	9.0271	9.0580	4.7303	8.6105	3.1452	.8620	1.4475
11.0	2.4004	1.4085	1.04	.4410	2.2677	.4500	.1275	.4185	.4350	15.8176	86.1689	137.3725	.0019	26.2626
11.0	2.4004	1.4085	1.04	.4410	2.2677	.5000	.3216	.4705	.5594	32.7477	80.1587	133.7027	.0021	25.6509
11.0	2.4004	1.4085	1.04	.4410	2.2677	.5500	.4308	.5238	.6654	38.0699	76.5680	130.0330	.0022	25.0391
11.0	2.4004	1.4085	1.04	.4410	2.2677	.6000	.5126	.5786	.7610	40.5076	73.7077	126.3633	.0023	24.4274
11.0	2.4004	1.4085	1.04	.4410	2.2677	.6500	.5787	.6348	.8499	41.6797	71.2392	122.6936	.0024	23.8156
11.0	2.4004	1.4085	1.04	.4410	2.2677	.7000	.6341	.6926	.9345	42.1720	69.0221	119.0238	.0026	23.2039
11.0	2.4004	1.4085	1.04	.4410	2.2677	.7500	.6814	.7520	1.0160	42.2545	66.9821	115.3541	.0028	22.5921
11.0	2.4004	1.4085	1.04	.4410	2.2677	.8000	.7221	.8132	1.0955	42.0701	65.0741	111.6844	.0030	21.9803
11.0	2.4004	1.4085	1.04	.4410	2.2677	.8500	.7574	.8763	1.1737	41.7015	63.2684	108.0146	.0032	21.3685
11.0	2.4004	1.4085	1.04	.4410	2.2677	.9000	.7879	.9415	1.2513	41.2001	61.5441	104.3449	.0034	20.7567
11.0	2.4004	1.4085	1.04	.4410	2.2677	.9500	.8142	1.0088	1.3286	40.5991	59.8855	100.6752	.0036	20.1449
11.0	2.4004	1.4085	1.04	.4410	2.2677	1.0000	.8367	1.0783	1.4060	39.9207	58.2807	97.0055	.0039	19.5331
11.0	2.4004	1.4085	1.04	.4410	2.2677	1.0500	.8558	1.1504	1.4841	39.1804	56.7204	93.3357	.0042	18.9212
11.0	2.4004	1.4085	1.04	.4410	2.2677	1.1000	.8715	1.2252	1.5631	38.3890	55.1969	89.6660	.0045	18.3093
11.0	2.4004	1.4085	1.04	.4410	2.2677	1.1500	.8841	1.3028	1.6434	37.5539	53.7037	85.9963	.0049	17.6975
11.0	2.4004	1.4085	1.04	.4410	2.2677	1.2000	.8938	1.3836	1.7252	36.6807	52.2355	82.3266	.0053	17.0855
11.0	2.4004	1.4085	1.04	.4410	2.2677	1.2500	.9006	1.4678	1.8091	35.7728	50.7875	78.6568	.0057	16.4736
11.0	2.4004	1.4085	1.04	.4410	2.2677	1.3000	.9046	1.5557	1.8952	34.8326	49.3555	74.9871	.0062	15.8616
11.0	2.4004	1.4085	1.04	.4410	2.2677	1.3500	.9058	1.6476	1.9841	33.8616	47.9358	71.3174	.0068	15.2496
11.0	2.4004	1.4085	1.04	.4410	2.2677	1.4000	.9043	1.7440	2.0761	32.8601	46.5249	67.6477	.0074	14.6376
11.0	2.4004	1.4085	1.04	.4410	2.2677	1.4500	.9000	1.8452	2.1718	31.8280	45.1196	63.9779	.0081	14.0255
11.0	2.4004	1.4085	1.04	.4410	2.2677	1.5000	.8929	1.9519	2.2716	30.7642	43.7167	60.3082	.0090	13.4133
11.0	2.4004	1.4085	1.04	.4410	2.2677	1.5500	.8829	2.0647	2.3761	29.6671	42.3136	56.6385	.0099	12.8011
11.0	2.4004	1.4085	1.04	.4410	2.2677	1.6000	.8700	2.1841	2.4861	28.5343	40.9072	52.9687	.0110	12.1888
11.0	2.4004	1.4085	1.04	.4410	2.2677	1.6500	.8539	2.3112	2.6024	27.3625	39.4951	49.2990	.0123	11.5764
11.0	2.4004	1.4085	1.04	.4410	2.2677	1.7000	.8346	2.4469	2.7258	26.1473	38.0746	45.6293	.0138	10.9639
11.0	2.4004	1.4085	1.04	.4410	2.2677	1.7500	.8117	2.5923	2.8576	24.8834	36.6435	41.9596	.0155	10.3512
11.0	2.4004	1.4085	1.04	.4410	2.2677	1.8000	.7850	2.7490	2.9991	23.5636	35.1999	38.2898	.0175	9.7383
11.0	2.4004	1.4085	1.04	.4410	2.2677	1.8500	.7542	2.9187	3.1519	22.1786	33.7430	34.6201	.0198	9.1251
11.0	2.4004	1.4085	1.04	.4410	2.2677	1.9000	.7186	3.1038	3.3183	20.7159	32.2733	30.9504	.0226	8.5116
11.0	2.4004	1.4085	1.04	.4410	2.2677	1.9500	.6775	3.3070	3.5009	19.1587	30.7950	27.2807	.0259	7.8976
11.0	2.4004	1.4085	1.04	.4410	2.2677	2.0000	.6299	3.5320	3.7031	17.4828	29.3192	23.6109	.0298	7.2828
11.0	2.4004	1.4085	1.04	.4410	2.2677	2.0500	.5744	3.7859	3.9296	15.6520	27.8740	19.9412	.0343	6.6669
11.0	2.4004	1.4085	1.04	.4410	2.2677	2.1000	.5084	4.0693	4.1868	13.6079	26.5297	16.2715	.0393	6.0490
11.0	2.4004	1.4085	1.04	.4410	2.2677	2.1500	.4275	4.3982	4.4843	11.2448	25.4886	12.6018	.0445	5.4275
11.0	2.4004	1.4085	1.04	.4410	2.2677	2.2000	.3221	4.7866	4.8376	8.3301	25.5198	8.9320	.0486	4.7982
11.0	2.4004	1.4085	1.04	.4410	2.2677	2.2500	.1584	5.2671	5.2802	4.0271	33.2321	5.2623	.0478	4.1448

11.0	2.4004	1.4085	1.08	.4670	2.1413	.4700	.0705	.4374	.4423	8.5313	87.6054	134.5778	.0019	28.2868
11.0	2.4004	1.4085	1.08	.4670	2.1413	.5200	.2918	.4894	.5612	29.3017	80.7392	130.7670	.0020	27.6514
11.0	2.4004	1.4085	1.08	.4670	2.1413	.5700	.4005	.5427	.6633	35.0899	77.0378	126.9561	.0021	27.0160
11.0	2.4004	1.4085	1.08	.4670	2.1413	.6200	.4802	.5974	.7556	37.7565	74.1370	123.1452	.0022	26.3807
11.0	2.4004	1.4085	1.08	.4670	2.1413	.6700	.5438	.6535	.8417	39.0664	71.0517	119.3343	.0024	25.7453
11.0	2.4004	1.4085	1.08	.4670	2.1413	.7200	.5966	.7111	.9235	39.6471	69.4293	115.5235	.0025	25.1098
11.0	2.4004	1.4085	1.08	.4670	2.1413	.7700	.6412	.7703	1.0024	39.7865	67.3910	111.7126	.0026	24.4744
11.0	2.4004	1.4085	1.08	.4670	2.1413	.8200	.6793	.8312	1.0793	39.6372	65.4896	107.9017	.0028	23.8390
11.0	2.4004	1.4085	1.08	.4670	2.1413	.8700	.7118	.8939	1.1549	39.2874	63.6942	104.0909	.0030	23.2035
11.0	2.4004	1.4085	1.08	.4670	2.1413	.9200	.7395	.9585	1.2297	38.7919	61.9832	100.2800	.0031	22.5680
11.0	2.4004	1.4085	1.08	.4670	2.1413	.9700	.7629	1.0251	1.3042	38.1861	60.3409	96.4691	.0033	21.9325
11.0	2.4004	1.4085	1.08	.4670	2.1413	1.0200	.7825	1.0939	1.3787	37.4938	58.7553	92.6583	.0036	21.2969
11.0	2.4004	1.4085	1.08	.4670	2.1413	1.0700	.7985	1.1650	1.4537	36.7313	57.2171	88.8474	.0038	20.6613
11.0	2.4004	1.4085	1.08	.4670	2.1413	1.1200	.8110	1.2387	1.5293	35.9101	55.7187	85.0365	.0041	20.0257
11.0	2.4004	1.4085	1.08	.4670	2.1413	1.1700	.8204	1.3150	1.6061	35.0380	54.2542	81.2256	.0043	19.3900
11.0	2.4004	1.4085	1.08	.4670	2.1413	1.2200	.8266	1.3943	1.6842	34.1204	52.8185	77.4148	.0046	18.7542
11.0	2.4004	1.4085	1.08	.4670	2.1413	1.2700	.8298	1.4766	1.7639	33.1609	51.4075	73.6039	.0050	18.1185
11.0	2.4004	1.4085	1.08	.4670	2.1413	1.3200	.8300	1.5624	1.8457	32.1614	50.0177	69.7930	.0054	17.4826
11.0	2.4004	1.4085	1.08	.4670	2.1413	1.3700	.8272	1.6520	1.9297	31.1228	48.6464	65.9822	.0058	16.8466
11.0	2.4004	1.4085	1.08	.4670	2.1413	1.4200	.8213	1.7455	2.0165	30.0448	47.2914	62.1713	.0062	16.2106
11.0	2.4004	1.4085	1.08	.4670	2.1413	1.4700	.8124	1.8435	2.1063	28.9260	45.9511	58.3604	.0067	15.5744
11.0	2.4004	1.4085	1.08	.4670	2.1413	1.5200	.8002	1.9464	2.1996	27.7642	44.6249	54.5496	.0073	14.9381
11.0	2.4004	1.4085	1.08	.4670	2.1413	1.5700	.7847	2.0547	2.2970	26.5559	43.3128	50.7387	.0079	14.3016
11.0	2.4004	1.4085	1.08	.4670	2.1413	1.6200	.7656	2.1689	2.3990	25.2962	42.0165	46.9278	.0085	13.6649
11.0	2.4004	1.4085	1.08	.4670	2.1413	1.6700	.7428	2.2899	2.5062	23.9785	40.7394	43.1169	.0093	13.0280
11.0	2.4004	1.4085	1.08	.4670	2.1413	1.7200	.7158	2.4183	2.6194	22.5943	39.4881	39.3061	.0101	12.3906
11.0	2.4004	1.4085	1.08	.4670	2.1413	1.7700	.6841	2.5553	2.7395	21.1318	38.2743	35.4952	.0109	11.7528
11.0	2.4004	1.4085	1.08	.4670	2.1413	1.8200	.6472	2.7019	2.8676	19.5749	37.1186	31.6843	.0119	11.1144
11.0	2.4004	1.4085	1.08	.4670	2.1413	1.8700	.6040	2.8595	3.0050	17.9006	36.0583	27.8735	.0128	10.4751
11.0	2.4004	1.4085	1.08	.4670	2.1413	1.9200	.5533	3.0301	3.1534	16.0749	35.1651	24.0626	.0138	9.8345
11.0	2.4004	1.4085	1.08	.4670	2.1413	1.9700	.4927	3.2159	3.3149	14.0428	34.5893	20.2517	.0147	9.1918
11.0	2.4004	1.4085	1.08	.4670	2.1413	2.0200	.4186	3.4199	3.4925	11.7063	34.6966	16.4409	.0154	8.5457
11.0	2.4004	1.4085	1.08	.4670	2.1413	2.0700	.3224	3.6466	3.6905	8.8515	36.6433	12.6300	.0157	7.8930
11.0	2.4004	1.4085	1.08	.4670	2.1413	2.1200	.1752	3.9033	3.9166	4.7230	47.2957	8.8191	.0149	7.2255
11.0	2.4004	1.4085	1.12	.4950	2.0202	.5000	.0867	.4666	.4735	9.8388	87.1924	130.8799	.0019	30.2541
11.0	2.4004	1.4085	1.12	.4950	2.0202	.5500	.2830	.5189	.5836	27.2300	80.6459	126.9279	.0020	29.5951
11.0	2.4004	1.4085	1.12	.4950	2.0202	.6000	.3843	.5725	.6798	32.6400	77.0267	122.9758	.0021	28.9361
11.0	2.4004	1.4085	1.12	.4950	2.0202	.6500	.4586	.6274	.7678	35.2025	74.1779	119.0238	.0022	28.2771
11.0	2.4004	1.4085	1.12	.4950	2.0202	.7000	.5176	.6836	.8502	36.4789	71.7345	115.0718	.0023	27.6180
11.0	2.4004	1.4085	1.12	.4950	2.0202	.7500	.5661	.7414	.9289	37.0462	69.5498	111.1198	.0024	26.9589
11.0	2.4004	1.4085	1.12	.4950	2.0202	.8000	.6067	.8006	1.0049	37.1761	67.5475	107.1678	.0025	26.2998
11.0	2.4004	1.4085	1.12	.4950	2.0202	.8500	.6409	.8616	1.0790	37.0149	65.6818	103.2158	.0027	25.6406
11.0	2.4004	1.4085	1.12	.4950	2.0202	.9000	.6696	.9242	1.1519	36.6483	63.9229	99.2638	.0028	24.9814
11.0	2.4004	1.4085	1.12	.4950	2.0202	.9500	.6935	.9887	1.2241	36.1301	62.2501	95.3117	.0030	24.3221
11.0	2.4004	1.4085	1.12	.4950	2.0202	1.0000	.7132	1.0551	1.2959	35.4952	60.6482	91.3597	.0031	23.6628
11.0	2.4004	1.4085	1.12	.4950	2.0202	1.0500	.7289	1.1236	1.3678	34.7671	59.1062	87.4077	.0033	23.0035
11.0	2.4004	1.4085	1.12	.4950	2.0202	1.1000	.7409	1.1944	1.4400	33.9619	57.6155	83.4557	.0035	22.3440
11.0	2.4004	1.4085	1.12	.4950	2.0202	1.1500	.7494	1.2675	1.5129	33.0905	56.1697	79.5037	.0037	21.6845
11.0	2.4004	1.4085	1.12	.4950	2.0202	1.2000	.7545	1.3432	1.5867	32.1603	54.7637	75.5517	.0039	21.0249
11.0	2.4004	1.4085	1.12	.4950	2.0202	1.2500	.7563	1.4217	1.6616	31.1762	53.3941	71.5997	.0042	20.3652
11.0	2.4004	1.4085	1.12	.4950	2.0202	1.3000	.7548	1.5031	1.7381	30.1408	52.0585	67.6477	.0044	19.7054
11.0	2.4004	1.4085	1.12	.4950	2.0202	1.3500	.7500	1.5877	1.8163	29.0550	50.7559	63.6956	.0047	19.0455
11.0	2.4004	1.4085	1.12	.4950	2.0202	1.4000	.7418	1.6758	1.8965	27.9182	49.4866	59.7436	.0050	18.3853
11.0	2.4004	1.4085	1.12	.4950	2.0202	1.4500	.7302	1.7677	1.9791	26.7283	48.2526	55.7916	.0053	17.7250
11.0	2.4004	1.4085	1.12	.4950	2.0202	1.5000	.7149	1.8637	2.0645	25.4814	47.0582	51.8396	.0056	17.0644
11.0	2.4004	1.4085	1.12	.4950	2.0202	1.5500	.6957	1.9642	2.1530	24.1719	45.9108	47.8876	.0059	16.4035
11.0	2.4004	1.4085	1.12	.4950	2.0202	1.6000	.6723	2.0697	2.2450	22.7917	44.8229	43.9356	.0063	15.7422
11.0	2.4004	1.4085	1.12	.4950	2.0202	1.6500	.6443	2.1807	2.3411	21.3297	43.8142	39.9836	.0066	15.0804
11.0	2.4004	1.4085	1.12	.4950	2.0202	1.7000	.6110	2.2979	2.4418	19.7700	42.9179	36.0315	.0070	14.4179
11.0	2.4004	1.4085	1.12	.4950	2.0202	1.7500	.5717	2.4218	2.5478	18.0901	42.1900	32.0795	.0073	13.7545
11.0	2.4004	1.4085	1.12	.4950	2.0202	1.8000	.5248	2.5535	2.6598	16.2558	41.7328	28.1275	.0077	13.0897
11.0	2.4004	1.4085	1.12	.4950	2.0202	1.8500	.4685	2.6939	2.7790	14.2119	41.7488	24.1755	.0079	12.4230
11.0	2.4004	1.4085	1.12	.4950	2.0202	1.9000	.3990	2.8445	2.9065	11.8587	42.7009	20.2235	.0080	11.7531
11.0	2.4004	1.4085	1.12	.4950	2.0202	1.9500	.3080	3.0070	3.0443	8.9747	45.9329	16.2715	.0079	11.0778
11.0	2.4004	1.4085	1.12	.4950	2.0202	2.0000	.1659	3.1843	3.1952	4.7409	58.2618	12.3195	.0075	10.3920
11.0	2.4004	1.4085	1.16	.5255	1.9029	.5300	.0782	.4958	.5012	8.3955	87.3636	127.0125	.0019	32.2870
11.0	2.4004	1.4085	1.16	.5255	1.9029	.5800	.2672	.5484	.6038	24.7378	80.7932	122.9194	.0020	31.6044
11.0	2.4004	1.4085	1.16	.5255	1.9029	.6300	.3629	.6023	.6950	29.9451	77.2100	118.8262	.0020	30.9216
11.0	2.4004	1.4085	1.16	.5255	1.9029	.6800	.4325	.6573	.7790	32.4553	74.3982	114.7331	.0021	30.2389
11.0	2.4004	1.4085	1.16	.5255	1.9029	.7300	.4872	.7138	.8581	33.7176	71.9927	110.6399	.0022	29.5561
11.0	2.4004	1.4085	1.16	.5255	1.9029	.7800	.5317	.7716	.9338	34.2789	69.8475	106.5468	.0023	28.8733
11.0	2.4004	1.4085	1.16	.5255	1.9029	.8300	.5683	.8310	1.0071	34.4006	67.8871	102.4536	.0024	28.1904
11.0	2.4004	1.4085	1.16	.5255	1.9029	.8800	.5986	.8919	1.0787	34.2252	66.0665	98.3604	.0025	27.5074
11.0	2.4004	1.4085	1.16	.5255	1.9029	.9300	.6235	.9545	1.1492	33.8370	64.3566	94.2673	.0027	26.8244
11.0	2.4004	1.4085	1.16	.5255	1.9029	.9800	.6435	1.0189	1.2189	33.2891	62.7376	90.1741	.0028	26.1413
11.0	2.4004	1.4085	1.16	.5255	1.9029	1.0300	.6591	1.0852	1.2883	32.6161	61.1955	86.0810	.0029	25.4582
11.0	2.4004	1.4085	1.16	.5255	1.9029	1.0800	.6707	1.1534	1.3577	31.8411	59.7206	81.9878	.0031	24.7749
11.0	2.4004	1.4085	1.16	.5255	1.9029	1.1300	.6784	1.2238	1.4274	30.9795	58.3059	77.8947	.0032	24.0915
11.0	2.4004	1.4085	1.16	.5255	1.9029	1.1800	.6824	1.2965	1.4977	30.0418	56.9470	73.8015	.0034	23.4080
11.0	2.4004	1.4085	1.16	.5255	1.9029	1.2300	.6828	1.3716	1.5687	29.0344	55.6417	69.7083	.0035	22.7244
11.0	2.4004	1.4085	1.16	.5255	1.9029	1.2800	.6795	1.4493	1.6409	27.9608	54.3899	65.6152	.0037	22.0405
11.0	2.4004	1.4085	1.16	.5255	1.9029	1.3300	.6725	1.5299	1.7143	26.8218	53.1941	61.5220	.0039	21.3565
11.0	2.4004	1.4085	1.16	.5255	1.9029	1.3800	.6617	1.6134	1.7893	25.6162	52.0597	57.4289	.0040	20.6721
11.0	2.4004	1.4085	1.16	.5255	1.9029	1.4300	.6469	1.7003	1.8662	24.3401	50.9961	53.3357	.0042	19.9875
11.0	2.4004	1.4085	1.16	.5255	1.9029	1.4800	.6278	1.7907	1.9452	22.9870	50.0189	49.2426	.0044	19.3024
11.0	2.4004	1.4085	1.16	.5255	1.9029	1.5300	.6041	1.8850	2.0266	21.5469	49.1522	45.1494	.0046	18.6168
11.0	2.4004	1.4085	1.16	.5255	1.9029	1.5800	.5752	1.9835	2.1108	20.0054	48.4352	41.0563	.0048	17.9306
11.0	2.4004	1.4085	1.16	.5255	1.9029	1.6300	.5404	2.0866	2.1983	18.3409	47.9325	36.9631	.0049	17.2434
11.0	2.4004	1.4085	1.16	.5255	1.9029	1.6800	.4983	2.1949	2.2894	16.5205	47.7570	32.8699	.0050	16.5550
11.0	2.4004	1.4085	1.16	.5255	1.9029	1.7300	.4471	2.3088	2.3847	14.4909	48.1226	28.7768	.0051	15.8649
11.0	2.4004	1.4085	1.16	.5255	1.9029	1.7800	.3834	2.4292	2.4849	12.1552	49.4886	24.6836	.0051	15.1721
11.0	2.4004	1.4085	1.16	.5255	1.9029	1.8300	.2997	2.5569	2.5909	9.3000	53.0715	20.5905	.0050	14.4752
11.0	2.4004	1.4085	1.16	.5255	1.9029	1.8800	.1700	2.6930	2.7040	5.1668	64.0110	16.4973	.0048	13.7711

11.0	2.4004	1.4085	1.20	.5592	1.7883	.5600	.0314	.5252	.5260	3.2126	88.8961	122.9758	.0018	34.3854
11.0	2.4004	1.4085	1.20	.5592	1.7883	.6100	.2435	.5780	.6224	21.7597	81.2463	118.7415	.0019	33.6790
11.0	2.4004	1.4085	1.20	.5592	1.7883	.6600	.3355	.6321	.7091	26.9488	77.6401	114.5072	.0020	32.9725
11.0	2.4004	1.4085	1.20	.5592	1.7883	.7100	.4011	.6873	.7895	29.4651	74.8476	110.2729	.0021	32.2661
11.0	2.4004	1.4085	1.20	.5592	1.7883	.7600	.4519	.7439	.8655	30.7368	72.4766	106.0386	.0022	31.5595
11.0	2.4004	1.4085	1.20	.5592	1.7883	.8100	.4925	.8019	.9385	31.3011	70.3755	101.8043	.0022	30.8529
11.0	2.4004	1.4085	1.20	.5592	1.7883	.8600	.5253	.8613	1.0093	31.4159	68.4673	97.5700	.0023	30.1462
11.0	2.4004	1.4085	1.20	.5592	1.7883	.9100	.5516	.9223	1.0785	31.2229	66.7069	93.3357	.0024	29.4394
11.0	2.4004	1.4085	1.20	.5592	1.7883	.9600	.5724	.9849	1.1466	30.8061	65.0662	89.1014	.0025	28.7325
11.0	2.4004	1.4085	1.20	.5592	1.7883	1.0100	.5883	1.0491	1.2141	30.2183	63.5266	84.8671	.0026	28.0255
11.0	2.4004	1.4085	1.20	.5592	1.7883	1.0600	.5996	1.1152	1.2813	29.4937	62.0764	80.6328	.0027	27.3183
11.0	2.4004	1.4085	1.20	.5592	1.7883	1.1100	.6066	1.1833	1.3484	28.6548	60.7081	76.3985	.0028	26.6110
11.0	2.4004	1.4085	1.20	.5592	1.7883	1.1600	.6094	1.2533	1.4158	27.7162	59.4186	72.1642	.0029	25.9035
11.0	2.4004	1.4085	1.20	.5592	1.7883	1.2100	.6082	1.3256	1.4836	26.6866	58.2081	67.9299	.0030	25.1958
11.0	2.4004	1.4085	1.20	.5592	1.7883	1.2600	.6029	1.4002	1.5522	25.5705	57.0810	63.6956	.0031	24.4879
11.0	2.4004	1.4085	1.20	.5592	1.7883	1.3100	.5934	1.4773	1.6218	24.3685	56.0464	59.4613	.0032	23.7796
11.0	2.4004	1.4085	1.20	.5592	1.7883	1.3600	.5795	1.5570	1.6925	23.0775	55.1201	55.2270	.0034	23.0709
11.0	2.4004	1.4085	1.20	.5592	1.7883	1.4100	.5608	1.6397	1.7646	21.6902	54.3270	50.9927	.0035	22.3617
11.0	2.4004	1.4085	1.20	.5592	1.7883	1.4600	.5370	1.7254	1.8384	20.1946	53.7071	46.7584	.0035	21.6519
11.0	2.4004	1.4085	1.20	.5592	1.7883	1.5100	.5073	1.8145	1.9142	18.5714	53.3247	42.5241	.0036	20.9413
11.0	2.4004	1.4085	1.20	.5592	1.7883	1.5600	.4707	1.9073	1.9922	16.7903	53.2894	38.2898	.0037	20.2296
11.0	2.4004	1.4085	1.20	.5592	1.7883	1.6100	.4254	2.0041	2.0729	14.8012	53.7997	34.0555	.0037	19.5164
11.0	2.4004	1.4085	1.20	.5592	1.7883	1.6600	.3684	2.1053	2.1565	12.5140	55.2576	29.8212	.0037	18.8011
11.0	2.4004	1.4085	1.20	.5592	1.7883	1.7100	.2933	2.2113	2.2436	9.7333	58.6383	25.5869	.0036	18.0827
11.0	2.4004	1.4085	1.20	.5592	1.7883	1.7600	.1793	2.3229	2.3350	5.8170	67.4239	21.3526	.0035	17.3593
11.0	2.4004	1.4085	1.24	.5972	1.6746	.6000	.0551	.5651	.5675	5.2432	87.9729	117.8947	.0018	36.4031
11.0	2.4004	1.4085	1.24	.5972	1.6746	.6500	.2315	.6184	.6565	19.6040	81.2586	113.5192	.0019	35.6729
11.0	2.4004	1.4085	1.24	.5972	1.6746	.7000	.3149	.6729	.7379	24.2217	77.7927	109.1438	.0020	34.9427
11.0	2.4004	1.4085	1.24	.5972	1.6746	.7500	.3738	.7286	.8141	26.4941	75.1064	104.7684	.0020	34.2124
11.0	2.4004	1.4085	1.24	.5972	1.6746	.8000	.4188	.7856	.8867	27.6297	72.8339	100.3929	.0021	33.4820
11.0	2.4004	1.4085	1.24	.5972	1.6746	.8500	.4538	.8440	.9568	28.0993	70.8321	96.0175	.0022	32.7515
11.0	2.4004	1.4085	1.24	.5972	1.6746	.9000	.4813	.9038	1.0249	28.1349	69.0289	91.6420	.0022	32.0209
11.0	2.4004	1.4085	1.24	.5972	1.6746	.9500	.5023	.9651	1.0916	27.8654	67.3833	87.2666	.0023	31.2901
11.0	2.4004	1.4085	1.24	.5972	1.6746	1.0000	.5176	1.0279	1.1575	27.3680	65.8708	82.8911	.0024	30.5592
11.0	2.4004	1.4085	1.24	.5972	1.6746	1.0500	.5279	1.0925	1.2228	26.6909	64.4775	78.5157	.0024	29.8281
11.0	2.4004	1.4085	1.24	.5972	1.6746	1.1000	.5333	1.1588	1.2878	25.8650	63.1970	74.1402	.0025	29.0967
11.0	2.4004	1.4085	1.24	.5972	1.6746	1.1500	.5340	1.2270	1.3528	24.9093	62.0293	69.7648	.0026	28.3651
11.0	2.4004	1.4085	1.24	.5972	1.6746	1.2000	.5301	1.2972	1.4181	23.8344	60.9810	65.3894	.0027	27.6332
11.0	2.4004	1.4085	1.24	.5972	1.6746	1.2500	.5215	1.3695	1.4839	22.6446	60.0662	61.0139	.0027	26.9009
11.0	2.4004	1.4085	1.24	.5972	1.6746	1.3000	.5078	1.4441	1.5503	21.3376	59.3098	56.6385	.0028	26.1682
11.0	2.4004	1.4085	1.24	.5972	1.6746	1.3500	.4888	1.5211	1.6177	19.9050	58.7519	52.2630	.0028	25.4348
11.0	2.4004	1.4085	1.24	.5972	1.6746	1.4000	.4638	1.6007	1.6862	18.3299	58.4575	47.8876	.0029	24.7007
11.0	2.4004	1.4085	1.24	.5972	1.6746	1.4500	.4318	1.6831	1.7561	16.5831	58.5358	43.5121	.0029	23.9657
11.0	2.4004	1.4085	1.24	.5972	1.6746	1.5000	.3911	1.7685	1.8276	14.6143	59.1812	39.1367	.0029	23.2293
11.0	2.4004	1.4085	1.24	.5972	1.6746	1.5500	.3388	1.8572	1.9010	12.3294	60.7771	34.7613	.0029	22.4911
11.0	2.4004	1.4085	1.24	.5972	1.6746	1.6000	.2683	1.9495	1.9767	9.5185	64.2265	30.3858	.0029	21.7504
11.0	2.4004	1.4085	1.24	.5972	1.6746	1.6500	.1574	2.0457	2.0550	5.4481	72.7118	26.0104	.0028	21.0059
11.0	2.4004	1.4085	1.28	.6412	1.5596	.6500	.0890	.6159	.6216	7.7969	86.5391	111.6844	.0018	38.3258
11.0	2.4004	1.4085	1.28	.6412	1.5596	.7000	.2236	.6699	.7032	17.7146	81.0620	107.1678	.0019	37.5718
11.0	2.4004	1.4085	1.28	.6412	1.5596	.7500	.2951	.7250	.7791	21.4779	77.8586	102.6512	.0019	36.8177
11.0	2.4004	1.4085	1.28	.6412	1.5596	.8000	.3452	.7814	.8511	23.3426	75.5607	98.1346	.0020	36.0635
11.0	2.4004	1.4085	1.28	.6412	1.5596	.8500	.3825	.8391	.9201	24.2286	73.2589	93.6180	.0020	35.3091
11.0	2.4004	1.4085	1.28	.6412	1.5596	.9000	.4104	.8981	.9871	24.5156	71.4290	89.1014	.0021	34.5546
11.0	2.4004	1.4085	1.28	.6412	1.5596	.9500	.4309	.9585	1.0525	24.3964	69.8096	84.5849	.0021	33.7998
11.0	2.4004	1.4085	1.28	.6412	1.5596	1.0000	.4448	1.0204	1.1168	23.9801	68.3686	80.0683	.0022	33.0449
11.0	2.4004	1.4085	1.28	.6412	1.5596	1.0500	.4529	1.0839	1.1804	23.3315	67.0912	75.5517	.0022	32.2897
11.0	2.4004	1.4085	1.28	.6412	1.5596	1.1000	.4554	1.1490	1.2436	22.4901	65.9750	71.0351	.0023	31.5342
11.0	2.4004	1.4085	1.28	.6412	1.5596	1.1500	.4525	1.2159	1.3066	21.4782	65.0294	66.5185	.0023	30.7783
11.0	2.4004	1.4085	1.28	.6412	1.5596	1.2000	.4440	1.2846	1.3698	20.3057	64.2769	62.0019	.0024	30.0219
11.0	2.4004	1.4085	1.28	.6412	1.5596	1.2500	.4297	1.3554	1.4332	18.9717	63.7576	57.4853	.0024	29.2650
11.0	2.4004	1.4085	1.28	.6412	1.5596	1.3000	.4090	1.4282	1.4972	17.4631	63.5392	52.9687	.0024	28.5074
11.0	2.4004	1.4085	1.28	.6412	1.5596	1.3500	.3808	1.5032	1.5619	15.7511	63.7368	48.4522	.0024	27.7489
11.0	2.4004	1.4085	1.28	.6412	1.5596	1.4000	.3433	1.5807	1.6276	13.7796	64.5567	43.9356	.0024	26.9892
11.0	2.4004	1.4085	1.28	.6412	1.5596	1.4500	.2933	1.6608	1.6944	11.4346	66.4117	39.4190	.0024	26.2279
11.0	2.4004	1.4085	1.28	.6412	1.5596	1.5000	.2224	1.7436	1.7626	8.4338	70.3153	34.9024	.0024	25.4644
11.0	2.4004	1.4085	1.28	.6412	1.5596	1.5500	.0915	1.8295	1.8326	3.3783	80.9067	30.3858	.0023	24.6978
11.0	2.4004	1.4085	1.32	.6948	1.4393	.7000	.0618	.6670	.6696	5.0445	87.4534	105.1918	.0018	40.2947
11.0	2.4004	1.4085	1.32	.6948	1.4393	.7500	.1940	.7217	.7454	14.5004	81.7591	100.5341	.0018	39.5167
11.0	2.4004	1.4085	1.32	.6948	1.4393	.8000	.2578	.7775	.8169	17.8605	78.6932	95.8763	.0019	38.7386
11.0	2.4004	1.4085	1.32	.6948	1.4393	.8500	.3005	.8345	.8851	19.4706	76.3696	91.2186	.0019	37.9603
11.0	2.4004	1.4085	1.32	.6948	1.4393	.9000	.3304	.8928	.9511	20.1609	74.4722	86.5609	.0019	37.1818
11.0	2.4004	1.4085	1.32	.6948	1.4393	.9500	.3509	.9524	1.0153	20.2709	72.8826	81.9031	.0020	36.4030
11.0	2.4004	1.4085	1.32	.6948	1.4393	1.0000	.3634	1.0135	1.0783	19.9716	71.5501	77.2454	.0020	35.6239
11.0	2.4004	1.4085	1.32	.6948	1.4393	1.0500	.3689	1.0760	1.1405	19.3572	70.4582	72.5877	.0020	34.8445
11.0	2.4004	1.4085	1.32	.6948	1.4393	1.1000	.3676	1.1401	1.2020	18.4793	69.6150	67.9299	.0021	34.0646
11.0	2.4004	1.4085	1.32	.6948	1.4393	1.1500	.3596	1.2058	1.2633	17.3621	69.0533	63.2722	.0021	33.2843
11.0	2.4004	1.4085	1.32	.6948	1.4393	1.2000	.3442	1.2732	1.3246	16.0066	68.8383	58.6145	.0021	32.5032
11.0	2.4004	1.4085	1.32	.6948	1.4393	1.2500	.3207	1.3425	1.3860	14.3891	69.0880	53.9568	.0021	31.7214
11.0	2.4004	1.4085	1.32	.6948	1.4393	1.3000	.2869	1.4138	1.4478	12.4462	70.0225	49.2990	.0021	30.9385
11.0	2.4004	1.4085	1.32	.6948	1.4393	1.3500	.2387	1.4871	1.5102	10.0285	72.1033	44.6413	.0021	30.1542
11.0	2.4004	1.4085	1.32	.6948	1.4393	1.4000	.1641	1.5627	1.5734	6.6338	76.6117	39.9836	.0020	29.3681
11.0	2.4004	1.4085	1.36	.7662	1.3051	.7700	.0446	.7406	.7418	3.3171	88.6160	96.4974	.0017	41.9886
11.0	2.4004	1.4085	1.36	.7662	1.3051	.8200	.1605	.7963	.8114	11.0726	82.6164	91.6985	.0018	41.1865
11.0	2.4004	1.4085	1.36	.7662	1.3051	.8700	.2111	.8532	.8780	13.6359	79.9290	86.8996	.0018	40.3841
11.0	2.4004	1.4085	1.36	.7662	1.3051	.9200	.2416	.9114	.9423	14.7146	78.6169	82.1007	.0018	39.5813
11.0	2.4004	1.4085	1.36	.7662	1.3051	.9700	.2593	.9708	1.0049	14.9680	76.5973	77.3019	.0018	38.7783
11.0	2.4004	1.4085	1.36	.7662	1.3051	1.0200	.2668	1.0316	1.0663	14.6586	75.5893	72.5030	.0018	37.9748
11.0	2.4004	1.4085	1.36	.7662	1.3051	1.0700	.2649	1.0938	1.1268	13.9063	74.9945	67.7041	.0019	37.1708
11.0	2.4004	1.4085	1.36	.7662	1.3051	1.1200	.2535	1.1575	1.1868	12.7538	74.8813	62.9052	.0019	36.3661
11.0	2.4004	1.4085	1.36	.7662	1.3051	1.1700	.2312	1.2228	1.2464	11.1779	75.4118	58.1064	.0019	35.5606
11.0	2.4004	1.4085	1.36	.7662	1.3051	1.2200	.1943	1.2897	1.3060	9.0508	76.9484	53.3075	.0019	34.7542
11.0	2.4004	1.4085	1.36	.7662	1.3051	1.2700	.1313	1.3585	1.3657	5.9047	80.5405	48.5086	.0018	33.9464
11.0	2.4004	1.4085	1.40	.8957	1.1164	.9000	.0302	.8835	.8839	1.9217	88.4675	81.4797	.0017	42.7166
11.0	2.4004	1.4085	1.40	.8957	1.1164	.9500	.0943	.9417	.9463	5.6695	85.0033	76.5397	.0017	41.8894
11.0	2.4004	1.4085	1.40	.8957	1.1164	1.0000	.1093	1.0012	1.0072	6.2364	83.9363	71.5997	.0017	41.0617
11.0	2.4004	1.4085	1.40	.8957	1.1164	1.0500	.1003	1.0620	1.0669	5.4584	84.1466	66.6597	.0017	40.2333
11.0	2.4004	1.4085	1.40	.8957	1.1164	1.1000	.0574	1.1242	1.1258	2.9848	86.4660	61.7196	.0017	39.4042

LOOP BRANCH (M1 FROM 1 TO 5)

GAMMA = 1.4

M1	M1*	DELMAX	DEL	XMIN	XMAX	X(M2U*)	Y(M2V*)	M2U	M2	THETA	SIGMA	PR21	PTR21	TR21
14.0	2.4188	1.4161	1.00	.4134	2.4188	.4200	.1144	.3896	.4038	15.2323	86.7253	227.7539	.0006	38.9305
14.0	2.4188	1.4161	1.00	.4134	2.4188	.4700	.3312	.4414	.5400	35.1701	80.3554	222.0817	.0007	37.9851
14.0	2.4188	1.4161	1.00	.4134	2.4188	.5200	.4486	.4945	.6532	40.7869	76.7063	216.4095	.0007	37.0397
14.0	2.4188	1.4161	1.00	.4134	2.4188	.5700	.5365	.5491	.7541	43.2684	73.8168	210.7374	.0007	36.0943
14.0	2.4188	1.4161	1.00	.4134	2.4188	.6200	.6079	.6053	.8477	44.4332	71.3291	205.0652	.0008	35.1490
14.0	2.4188	1.4161	1.00	.4134	2.4188	.6700	.6679	.6631	.9363	44.9100	69.0976	199.3931	.0009	34.2036
14.0	2.4188	1.4161	1.00	.4134	2.4188	.7200	.7195	.7226	1.0216	44.9804	67.0459	193.7209	.0009	33.2582
14.0	2.4188	1.4161	1.00	.4134	2.4188	.7700	.7644	.7840	1.1047	44.7905	65.1278	188.0487	.0010	32.3128
14.0	2.4188	1.4161	1.00	.4134	2.4188	.8200	.8037	.8474	1.1866	44.4240	63.3130	182.3766	.0011	31.3674
14.0	2.4188	1.4161	1.00	.4134	2.4188	.8700	.8382	.9130	1.2677	43.9318	61.5800	176.7044	.0011	30.4220
14.0	2.4188	1.4161	1.00	.4134	2.4188	.9200	.8684	.9808	1.3487	43.3470	59.9130	171.0323	.0012	29.4767
14.0	2.4188	1.4161	1.00	.4134	2.4188	.9700	.8948	1.0511	1.4300	42.6914	58.2999	165.3601	.0013	28.5313
14.0	2.4188	1.4161	1.00	.4134	2.4188	1.0200	.9178	1.1240	1.5121	41.9802	56.7312	159.6879	.0014	27.5859
14.0	2.4188	1.4161	1.00	.4134	2.4188	1.0700	.9375	1.1999	1.5953	41.2239	55.1989	154.0158	.0016	26.6405
14.0	2.4188	1.4161	1.00	.4134	2.4188	1.1200	.9542	1.2788	1.6800	40.4301	53.6965	148.3436	.0017	25.6951
14.0	2.4188	1.4161	1.00	.4134	2.4188	1.1700	.9680	1.3612	1.7667	39.6041	52.2185	142.6715	.0019	24.7497
14.0	2.4188	1.4161	1.00	.4134	2.4188	1.2200	.9791	1.4473	1.8558	38.7498	50.7598	136.9993	.0021	23.8043
14.0	2.4188	1.4161	1.00	.4134	2.4188	1.2700	.9876	1.5374	1.9476	37.8697	49.3161	131.3271	.0023	22.8588
14.0	2.4188	1.4161	1.00	.4134	2.4188	1.3200	.9934	1.6321	2.0427	36.9656	47.8834	125.6550	.0026	21.9134
14.0	2.4188	1.4161	1.00	.4134	2.4188	1.3700	.9968	1.7317	2.1415	36.0384	46.4580	119.9828	.0028	20.9680
14.0	2.4188	1.4161	1.00	.4134	2.4188	1.4200	.9976	1.8368	2.2447	35.0887	45.0361	114.3107	.0032	20.0226
14.0	2.4188	1.4161	1.00	.4134	2.4188	1.4700	.9959	1.9480	2.3529	34.1163	43.6143	108.6385	.0036	19.0771
14.0	2.4188	1.4161	1.00	.4134	2.4188	1.5200	.9917	2.0661	2.4669	33.1206	42.1891	102.9663	.0041	18.1317
14.0	2.4188	1.4161	1.00	.4134	2.4188	1.5700	.9849	2.1920	2.5875	32.1005	40.7569	97.2942	.0046	17.1863
14.0	2.4188	1.4161	1.00	.4134	2.4188	1.6200	.9755	2.3267	2.7159	31.0547	39.3139	91.6220	.0053	16.2408
14.0	2.4188	1.4161	1.00	.4134	2.4188	1.6700	.9634	2.4715	2.8533	29.9811	37.8561	85.9499	.0061	15.2953
14.0	2.4188	1.4161	1.00	.4134	2.4188	1.7200	.9486	2.6280	3.0012	28.8772	36.3791	80.2777	.0072	14.3498
14.0	2.4188	1.4161	1.00	.4134	2.4188	1.7700	.9308	2.7982	3.1615	27.7397	34.8781	74.6055	.0085	13.4043
14.0	2.4188	1.4161	1.00	.4134	2.4188	1.8200	.9100	2.9844	3.3366	26.5648	33.3475	68.9334	.0101	12.4588
14.0	2.4188	1.4161	1.00	.4134	2.4188	1.8700	.8858	3.1898	3.5296	25.3474	31.7808	63.2612	.0122	11.5132
14.0	2.4188	1.4161	1.00	.4134	2.4188	1.9200	.8581	3.4185	3.7444	24.0813	30.1701	57.5891	.0150	10.5676
14.0	2.4188	1.4161	1.00	.4134	2.4188	1.9700	.8264	3.6758	3.9862	22.7585	28.5062	51.9169	.0188	9.6219
14.0	2.4188	1.4161	1.00	.4134	2.4188	2.0200	.7903	3.9693	4.2623	21.3684	26.7768	46.2447	.0240	8.6762
14.0	2.4188	1.4161	1.00	.4134	2.4188	2.0700	.7492	4.3092	4.5827	19.8971	24.9666	40.5726	.0316	7.7303
14.0	2.4188	1.4161	1.00	.4134	2.4188	2.1200	.7021	4.7109	4.9626	18.3250	23.0544	34.9004	.0429	6.7843
14.0	2.4188	1.4161	1.00	.4134	2.4188	2.1700	.6479	5.1981	5.4249	16.6236	21.0104	29.2283	.0608	5.8381
14.0	2.4188	1.4161	1.00	.4134	2.4188	2.2200	.5844	5.8098	6.0077	14.7485	18.7895	23.5561	.0910	4.8914
14.0	2.4188	1.4161	1.00	.4134	2.4188	2.2700	.5084	6.6158	6.7797	12.6236	16.3175	17.8839	.1468	3.9439
14.0	2.4188	1.4161	1.00	.4134	2.4188	2.3200	.4131	7.7599	7.8819	10.0968	13.4540	12.2118	.2628	2.9944
14.0	2.4188	1.4161	1.00	.4134	2.4188	2.3700	.2809	9.6088	9.6761	6.7601	9.8607	6.5396	.5412	2.0380
14.0	2.4188	1.4161	1.04	.4375	2.2858	.4400	.0681	.4085	.4133	8.7976	87.9812	223.4884	.0006	42.0438
14.0	2.4188	1.4161	1.04	.4375	2.2858	.4900	.3063	.4603	.5428	32.0099	80.7553	217.5893	.0006	41.0605
14.0	2.4188	1.4161	1.04	.4375	2.2858	.5400	.4219	.5135	.6516	38.0010	77.0300	211.6903	.0007	40.0772
14.0	2.4188	1.4161	1.04	.4375	2.2858	.5900	.5071	.5680	.7490	40.6812	74.1129	205.7913	.0007	39.0939
14.0	2.4188	1.4161	1.04	.4375	2.2858	.6400	.5757	.6240	.8393	41.9703	71.6136	199.8922	.0008	38.1106
14.0	2.4188	1.4161	1.04	.4375	2.2858	.6900	.6329	.6816	.9250	42.5288	69.3780	193.9932	.0008	37.1273
14.0	2.4188	1.4161	1.04	.4375	2.2858	.7400	.6817	.7409	1.0074	42.6532	67.3266	188.0941	.0009	36.1440
14.0	2.4188	1.4161	1.04	.4375	2.2858	.7900	.7238	.8020	1.0877	42.4978	65.4116	182.1951	.0009	35.1607
14.0	2.4188	1.4161	1.04	.4375	2.2858	.8400	.7604	.8649	1.1666	42.1510	63.6020	176.2960	.0010	34.1774
14.0	2.4188	1.4161	1.04	.4375	2.2858	.8900	.7920	.9299	1.2448	41.6671	61.8758	170.3970	.0011	33.1941
14.0	2.4188	1.4161	1.04	.4375	2.2858	.9400	.8195	.9970	1.3226	41.0812	60.2170	164.4979	.0011	32.2107
14.0	2.4188	1.4161	1.04	.4375	2.2858	.9900	.8430	1.0664	1.4007	40.4165	58.6134	158.5989	.0012	31.2274
14.0	2.4188	1.4161	1.04	.4375	2.2858	1.0400	.8631	1.1383	1.4793	39.6891	57.0554	152.6998	.0013	30.2440
14.0	2.4188	1.4161	1.04	.4375	2.2858	1.0900	.8798	1.2129	1.5588	38.9104	55.5350	146.8008	.0014	29.2606
14.0	2.4188	1.4161	1.04	.4375	2.2858	1.1400	.8935	1.2905	1.6396	38.0881	54.0459	140.9017	.0015	28.2772
14.0	2.4188	1.4161	1.04	.4375	2.2858	1.1900	.9042	1.3711	1.7220	37.2280	52.5824	135.0027	.0017	27.2938
14.0	2.4188	1.4161	1.04	.4375	2.2858	1.2400	.9120	1.4552	1.8064	36.3339	51.1398	129.1036	.0018	26.3103
14.0	2.4188	1.4161	1.04	.4375	2.2858	1.2900	.9170	1.5430	1.8931	35.4083	49.7138	123.2046	.0020	25.3269
14.0	2.4188	1.4161	1.04	.4375	2.2858	1.3400	.9193	1.6348	1.9826	34.4528	48.3007	117.3056	.0022	24.3434
14.0	2.4188	1.4161	1.04	.4375	2.2858	1.3900	.9189	1.7312	2.0752	33.4681	46.8969	111.4065	.0024	23.3598
14.0	2.4188	1.4161	1.04	.4375	2.2858	1.4400	.9158	1.8324	2.1716	32.4542	45.4992	105.5075	.0026	22.3763
14.0	2.4188	1.4161	1.04	.4375	2.2858	1.4900	.9099	1.9391	2.2721	31.4102	44.1045	99.6084	.0029	21.3926
14.0	2.4188	1.4161	1.04	.4375	2.2858	1.5400	.9012	2.0519	2.3774	30.3349	42.7100	93.7094	.0032	20.4090
14.0	2.4188	1.4161	1.04	.4375	2.2858	1.5900	.8896	2.1716	2.4883	29.2262	41.3126	87.8103	.0036	19.4252
14.0	2.4188	1.4161	1.04	.4375	2.2858	1.6400	.8750	2.2988	2.6055	28.0813	39.9098	81.9113	.0040	18.4414
14.0	2.4188	1.4161	1.04	.4375	2.2858	1.6900	.8573	2.4347	2.7301	26.8964	38.4988	76.0122	.0045	17.4575
14.0	2.4188	1.4161	1.04	.4375	2.2858	1.7400	.8362	2.5806	2.8631	25.6669	37.0769	70.1132	.0051	16.4734
14.0	2.4188	1.4161	1.04	.4375	2.2858	1.7900	.8115	2.7378	3.0059	24.3866	35.6420	64.2141	.0058	15.4892
14.0	2.4188	1.4161	1.04	.4375	2.2858	1.8400	.7828	2.9082	3.1604	23.0476	34.1921	58.3151	.0066	14.5048
14.0	2.4188	1.4161	1.04	.4375	2.2858	1.8900	.7498	3.0941	3.3287	21.6396	32.7264	52.4160	.0076	13.5201
14.0	2.4188	1.4161	1.04	.4375	2.2858	1.9400	.7118	3.2983	3.5133	20.1484	31.2459	46.5170	.0088	12.5350
14.0	2.4188	1.4161	1.04	.4375	2.2858	1.9900	.6680	3.5248	3.7180	18.5548	29.7557	40.6179	.0102	11.5493
14.0	2.4188	1.4161	1.04	.4375	2.2858	2.0400	.6171	3.7783	3.9474	16.8303	28.2705	34.7189	.0119	10.5628
14.0	2.4188	1.4161	1.04	.4375	2.2858	2.0900	.5575	4.0657	4.2078	14.9313	26.8272	28.8199	.0140	9.5750
14.0	2.4188	1.4161	1.04	.4375	2.2858	2.1400	.4856	4.3965	4.5082	12.7836	25.5253	22.9208	.0163	8.5848
14.0	2.4188	1.4161	1.04	.4375	2.2858	2.1900	.3957	4.7851	4.8625	10.2418	24.6834	17.0218	.0186	7.5897
14.0	2.4188	1.4161	1.04	.4375	2.2858	2.2400	.2722	5.2556	5.2942	6.9288	25.8455	11.1227	.0200	6.5822
14.0	2.4188	1.4161	1.08	.4631	2.1594	.4700	.1077	.4376	.4489	12.9029	86.6826	217.8162	.0006	45.0724
14.0	2.4188	1.4161	1.08	.4631	2.1594	.5200	.3046	.4897	.5676	30.3582	80.4354	211.6903	.0006	44.0512
14.0	2.4188	1.4161	1.08	.4631	2.1594	.5700	.4110	.5432	.6697	35.7949	76.8372	205.5644	.0007	43.0300
14.0	2.4188	1.4161	1.08	.4631	2.1594	.6200	.4900	.5980	.7622	38.3208	73.9880	199.4384	.0007	42.0088
14.0	2.4188	1.4161	1.08	.4631	2.1594	.6700	.5534	.6542	.8485	39.5574	71.5363	193.3125	.0008	40.9876
14.0	2.4188	1.4161	1.08	.4631	2.1594	.7200	.6062	.7119	.9306	40.0951	69.3388	187.1866	.0008	39.9663
14.0	2.4188	1.4161	1.08	.4631	2.1594	.7700	.6509	.7713	1.0099	40.2079	67.3202	181.0606	.0008	38.9451
14.0	2.4188	1.4161	1.08	.4631	2.1594	.8200	.6891	.8323	1.0872	40.0417	65.4352	174.9347	.0009	37.9238
14.0	2.4188	1.4161	1.08	.4631	2.1594	.8700	.7218	.8952	1.1632	39.6815	63.6538	168.8088	.0009	36.9025
14.0	2.4188	1.4161	1.08	.4631	2.1594	.9200	.7498	.9601	1.2385	39.1802	61.9553	162.6828	.0010	35.8812
14.0	2.4188	1.4161	1.08	.4631	2.1594	.9700	.7736	1.0270	1.3135	38.5719	60.3241	156.5569	.0011	34.8599
14.0	2.4188	1.4161	1.08	.4631	2.1594	1.0200	.7935	1.0961	1.3887	37.8797	58.7486	150.4310	.0011	33.8385
14.0	2.4188	1.4161	1.08	.4631	2.1594	1.0700	.8098	1.1676	1.4643	37.1196	57.2196	144.3050	.0012	32.8171
14.0	2.4188	1.4161	1.08	.4631	2.1594	1.1200	.8228	1.2416	1.5406	36.3025	55.7298	138.1791	.0013	31.7957
14.0	2.4188	1.4161	1.08	.4631	2.1594	1.1700	.8326	1.3184	1.6181	35.4362	54.2731	132.0532	.0014	30.7742
14.0	2.4188	1.4161	1.08	.4631	2.1594	1.2200	.8393	1.3981	1.6970	34.5260	52.8446	125.9272	.0015	29.7527
14.0	2.4188	1.4161	1.08	.4631	2.1594	1.2700	.8430	1.4811	1.7776	33.5753	51.4402	119.8013	.0016	28.7311
14.0	2.4188	1.4161	1.08	.4631	2.1594	1.3200	.8437	1.5675	1.8603	32.5862	50.0563	113.6754	.0017	27.7094
14.0	2.4188	1.4161	1.08	.4631	2.1594	1.3700	.8415	1.6577	1.9455	31.5595	48.6902	107.5494	.0019	26.6877
14.0	2.4188	1.4161	1.08	.4631	2.1594	1.4200	.8363	1.7521	2.0334	30.4951	47.3395	101.4235	.0020	25.6659
14.0	2.4188	1.4161	1.08	.4631	2.1594	1.4700	.8280	1.8510	2.1245	29.3919	46.0025	95.2976	.0022	24.6440
14.0	2.4188	1.4161	1.08	.4631	2.1594	1.5200	.8166	1.9549	2.2192	28.2477	44.6781	89.1716	.0024	23.6219
14.0	2.4188	1.4161	1.08	.4631	2.1594	1.5700	.8020	2.0644	2.3182	27.0594	43.3662	83.0457	.0026	22.5998
14.0	2.4188	1.4161	1.08	.4631	2.1594	1.6200	.7839	2.1800	2.4219	25.8225	42.0675	76.9198	.0028	21.5774
14.0	2.4188	1.4161	1.08	.4631	2.1594	1.6700	.7622	2.3025	2.5310	24.5313	40.7845	70.7938	.0031	20.5547
14.0	2.4188	1.4161	1.08	.4631	2.1594	1.7200	.7364	2.4328	2.6464	23.1778	39.5221	64.6679	.0034	19.5318
14.0	2.4188	1.4161	1.08	.4631	2.1594	1.7700	.7062	2.5718	2.7689	21.7516	38.2894	58.5420	.0037	18.5085
14.0	2.4188	1.4161	1.08	.4631	2.1594	1.8200	.6710	2.7208	2.8998	20.2383	37.1022	52.4160	.0040	17.4846
14.0	2.4188	1.4161	1.08	.4631	2.1594	1.8700	.6300	2.8812	3.0403	18.6180	35.9890	46.2901	.0044	16.4599
14.0	2.4188	1.4161	1.08	.4631	2.1594	1.9200	.5819	3.0550	3.1922	16.8612	35.0038	40.1642	.0048	15.4341
14.0	2.4188	1.4161	1.08	.4631	2.1594	1.9700	.5250	3.2444	3.3576	14.9220	34.2554	34.0382	.0051	14.4067
14.0	2.4188	1.4161	1.08	.4631	2.1594	2.0200	.4560	3.4525	3.5393	12.7213	33.9945	27.9123	.0055	13.3763
14.0	2.4188	1.4161	1.08	.4631	2.1594	2.0700	.3687	3.6834	3.7413	10.1000	34.9310	21.7864	.0057	12.3408
14.0	2.4188	1.4161	1.08	.4631	2.1594	2.1200	.2458	3.9433	3.9697	6.6128	40.1767	15.6604	.0055	11.2940

14.0	2.4188	1.4161	1.12	.4906	2.0382	.5000	.1197	.4668	.4800	13.4596	86.1659	211.8718	.0006	48.2054
14.0	2.4188	1.4161	1.12	.4906	2.0382	.5500	.2964	.5193	.5898	28.3186	80.3094	205.5190	.0006	47.1463
14.0	2.4188	1.4161	1.12	.4906	2.0382	.6000	.3954	.5729	.6862	33.3864	76.7977	199.1662	.0007	46.0872
14.0	2.4188	1.4161	1.12	.4906	2.0382	.6500	.4689	.6279	.7743	35.8070	74.0026	192.8133	.0007	45.0280
14.0	2.4188	1.4161	1.12	.4906	2.0382	.7000	.5276	.6843	.8570	37.0081	71.5938	186.4605	.0007	43.9688
14.0	2.4188	1.4161	1.12	.4906	2.0382	.7500	.5761	.7422	.9359	37.5310	69.4343	180.1077	.0008	42.9096
14.0	2.4188	1.4161	1.12	.4906	2.0382	.8000	.6168	.8016	1.0123	37.6332	67.4515	173.7549	.0008	41.8504
14.0	2.4188	1.4161	1.12	.4906	2.0382	.8500	.6512	.8627	1.0868	37.4546	65.6017	167.4021	.0009	40.7911
14.0	2.4188	1.4161	1.12	.4906	2.0382	.9000	.6801	.9256	1.1601	37.0775	63.8561	161.0493	.0009	39.7319
14.0	2.4188	1.4161	1.12	.4906	2.0382	.9500	.7043	.9903	1.2328	36.5536	62.1944	154.6964	.0010	38.6724
14.0	2.4188	1.4161	1.12	.4906	2.0382	1.0000	.7243	1.0570	1.3051	35.9167	60.6022	148.3436	.0010	37.6130
14.0	2.4188	1.4161	1.12	.4906	2.0382	1.0500	.7404	1.1258	1.3776	35.1896	59.0684	141.9908	.0011	36.5536
14.0	2.4188	1.4161	1.12	.4906	2.0382	1.1000	.7528	1.1969	1.4504	34.3877	57.5846	135.6380	.0011	35.4941
14.0	2.4188	1.4161	1.12	.4906	2.0382	1.1500	.7618	1.2704	1.5239	33.5219	56.1445	129.2852	.0012	34.4345
14.0	2.4188	1.4161	1.12	.4906	2.0382	1.2000	.7674	1.3465	1.5983	32.5994	54.7430	122.9323	.0013	33.3748
14.0	2.4188	1.4161	1.12	.4906	2.0382	1.2500	.7698	1.4254	1.6740	31.6248	53.3765	116.5795	.0013	32.3151
14.0	2.4188	1.4161	1.12	.4906	2.0382	1.3000	.7688	1.5074	1.7513	30.6009	52.0424	110.2267	.0014	31.2552
14.0	2.4188	1.4161	1.12	.4906	2.0382	1.3500	.7647	1.5926	1.8303	29.5287	50.7395	103.8739	.0015	30.1952
14.0	2.4188	1.4161	1.12	.4906	2.0382	1.4000	.7572	1.6814	1.9115	28.4078	49.4676	97.5211	.0016	29.1351
14.0	2.4188	1.4161	1.12	.4906	2.0382	1.4500	.7464	1.7740	1.9952	27.2362	48.2281	91.1682	.0017	28.0747
14.0	2.4188	1.4161	1.12	.4906	2.0382	1.5000	.7319	1.8708	2.0817	26.0106	47.0243	84.8154	.0018	27.0142
14.0	2.4188	1.4161	1.12	.4906	2.0382	1.5500	.7138	1.9723	2.1714	24.7259	45.8623	78.4626	.0019	25.9533
14.0	2.4188	1.4161	1.12	.4906	2.0382	1.6000	.6915	2.0789	2.2647	23.3747	44.7520	72.1098	.0021	24.8921
14.0	2.4188	1.4161	1.12	.4906	2.0382	1.6500	.6649	2.1911	2.3623	21.9471	43.7098	65.7570	.0022	23.8305
14.0	2.4188	1.4161	1.12	.4906	2.0382	1.7000	.6332	2.3095	2.4645	20.4290	42.7623	59.4041	.0023	22.7682
14.0	2.4188	1.4161	1.12	.4906	2.0382	1.7500	.5958	2.4350	2.5722	18.8006	41.9547	53.0513	.0025	21.7051
14.0	2.4188	1.4161	1.12	.4906	2.0382	1.8000	.5514	2.5683	2.6861	17.0324	41.3667	46.6985	.0026	20.6408
14.0	2.4188	1.4161	1.12	.4906	2.0382	1.8500	.4984	2.7106	2.8072	15.0781	41.1516	40.3457	.0027	19.5748
14.0	2.4188	1.4161	1.12	.4906	2.0382	1.9000	.4337	2.8631	2.9367	12.8573	41.6409	33.9929	.0028	18.5061
14.0	2.4188	1.4161	1.12	.4906	2.0382	1.9500	.3511	3.0275	3.0762	10.2063	43.7068	27.6400	.0028	17.4329
14.0	2.4188	1.4161	1.12	.4906	2.0382	2.0000	.2334	3.2062	3.2280	6.6557	50.7443	21.2872	.0027	16.3512
14.0	2.4188	1.4161	1.16	.5205	1.9210	.5300	.1143	.4961	.5075	12.1738	86.1877	205.6551	.0006	51.4428
14.0	2.4188	1.4161	1.16	.5205	1.9210	.5800	.2815	.5488	.6101	25.8920	80.4074	199.0754	.0006	50.3457
14.0	2.4188	1.4161	1.16	.5205	1.9210	.6300	.3748	.6027	.7013	30.7472	76.9420	192.4957	.0006	49.2486
14.0	2.4188	1.4161	1.16	.5205	1.9210	.6800	.4434	.6579	.7855	33.1096	74.1877	185.9160	.0007	48.1515
14.0	2.4188	1.4161	1.16	.5205	1.9210	.7300	.4978	.7145	.8648	34.2930	71.8184	179.3363	.0007	47.0543
14.0	2.4188	1.4161	1.16	.5205	1.9210	.7800	.5423	.7725	.9408	34.8074	69.6988	172.7566	.0007	45.9571
14.0	2.4188	1.4161	1.16	.5205	1.9210	.8300	.5790	.8320	1.0145	34.9000	67.7575	166.1769	.0008	44.8598
14.0	2.4188	1.4161	1.16	.5205	1.9210	.8800	.6095	.8931	1.0864	34.7064	65.9517	159.5972	.0008	43.7625
14.0	2.4188	1.4161	1.16	.5205	1.9210	.9300	.6346	.9559	1.1573	34.3076	64.2534	153.0175	.0009	42.6651
14.0	2.4188	1.4161	1.16	.5205	1.9210	.9800	.6549	1.0205	1.2275	33.7544	62.6435	146.4378	.0009	41.5676
14.0	2.4188	1.4161	1.16	.5205	1.9210	1.0300	.6709	1.0871	1.2973	33.0803	61.1084	139.8581	.0009	40.4701
14.0	2.4188	1.4161	1.16	.5205	1.9210	1.0800	.6829	1.1556	1.3673	32.3075	59.6382	133.2784	.0010	39.3725
14.0	2.4188	1.4161	1.16	.5205	1.9210	1.1300	.6911	1.2263	1.4375	31.4511	58.2262	126.6987	.0010	38.2747
14.0	2.4188	1.4161	1.16	.5205	1.9210	1.1800	.6957	1.2993	1.5083	30.5213	56.8677	120.1189	.0011	37.1769
14.0	2.4188	1.4161	1.16	.5205	1.9210	1.2300	.6966	1.3749	1.5800	29.5243	55.5602	113.5392	.0011	36.0789
14.0	2.4188	1.4161	1.16	.5205	1.9210	1.2800	.6939	1.4530	1.6528	28.4637	54.3033	106.9595	.0012	34.9807
14.0	2.4188	1.4161	1.16	.5205	1.9210	1.3300	.6877	1.5341	1.7270	27.3406	53.0986	100.3798	.0013	33.8824
14.0	2.4188	1.4161	1.16	.5205	1.9210	1.3800	.6777	1.6182	1.8028	26.1540	51.9504	93.8001	.0013	32.7837
14.0	2.4188	1.4161	1.16	.5205	1.9210	1.4300	.6638	1.7057	1.8805	24.9004	50.8667	87.2204	.0014	31.6848
14.0	2.4188	1.4161	1.16	.5205	1.9210	1.4800	.6458	1.7967	1.9603	23.5741	49.8601	80.6407	.0014	30.5855
14.0	2.4188	1.4161	1.16	.5205	1.9210	1.5300	.6233	1.8918	2.0427	22.1663	48.9513	74.0610	.0015	29.4858
14.0	2.4188	1.4161	1.16	.5205	1.9210	1.5800	.5959	1.9911	2.1280	20.6640	48.1724	67.4813	.0016	28.3854
14.0	2.4188	1.4161	1.16	.5205	1.9210	1.6300	.5628	2.0951	2.2165	19.0484	47.5764	60.9016	.0016	27.2842
14.0	2.4188	1.4161	1.16	.5205	1.9210	1.6800	.5230	2.2044	2.3087	17.2911	47.2540	54.3219	.0017	26.1820
14.0	2.4188	1.4161	1.16	.5205	1.9210	1.7300	.4748	2.3194	2.4052	15.3471	47.3714	47.7422	.0017	25.0781
14.0	2.4188	1.4161	1.16	.5205	1.9210	1.7800	.4155	2.4409	2.5065	13.1388	48.2692	41.1625	.0017	23.9720
14.0	2.4188	1.4161	1.16	.5205	1.9210	1.8300	.3394	2.5696	2.6135	10.5083	50.7750	34.5828	.0017	22.8623
14.0	2.4188	1.4161	1.16	.5205	1.9210	1.8800	.2313	2.7067	2.7271	7.0136	57.6977	28.0031	.0017	21.7464
14.0	2.4188	1.4161	1.20	.5535	1.8067	.5600	.0898	.5255	.5322	9.1142	86.6798	199.1662	.0006	54.7845
14.0	2.4188	1.4161	1.20	.5535	1.8067	.6100	.2593	.5784	.6285	23.0269	80.7848	192.3596	.0006	53.6494
14.0	2.4188	1.4161	1.20	.5535	1.8067	.6600	.3484	.6326	.7153	27.8277	77.3173	185.5530	.0006	52.5143
14.0	2.4188	1.4161	1.20	.5535	1.8067	.7100	.4130	.6880	.7959	30.1834	74.5889	178.7464	.0007	51.3792
14.0	2.4188	1.4161	1.20	.5535	1.8067	.7600	.4634	.7447	.8722	31.3696	72.2565	171.9398	.0007	50.2439
14.0	2.4188	1.4161	1.20	.5535	1.8067	.8100	.5039	.8028	.9454	31.8833	70.1814	165.1332	.0007	49.1086
14.0	2.4188	1.4161	1.20	.5535	1.8067	.8600	.5367	.8624	1.0165	31.9670	68.2915	158.3266	.0007	47.9733
14.0	2.4188	1.4161	1.20	.5535	1.8067	.9100	.5632	.9235	1.0861	31.7550	66.5441	151.5200	.0008	46.8378
14.0	2.4188	1.4161	1.20	.5535	1.8067	.9600	.5843	.9863	1.1546	31.3276	64.9122	144.7134	.0008	45.7023
14.0	2.4188	1.4161	1.20	.5535	1.8067	1.0100	.6005	1.0508	1.2225	30.7352	63.3779	137.9068	.0008	44.5666
14.0	2.4188	1.4161	1.20	.5535	1.8067	1.0600	.6123	1.1171	1.2901	30.0109	61.9294	131.1002	.0009	43.4308
14.0	2.4188	1.4161	1.20	.5535	1.8067	1.1100	.6198	1.1854	1.3577	29.1764	60.5596	124.2937	.0009	42.2949
14.0	2.4188	1.4161	1.20	.5535	1.8067	1.1600	.6232	1.2558	1.4256	28.2459	59.2646	117.4871	.0009	41.1588
14.0	2.4188	1.4161	1.20	.5535	1.8067	1.2100	.6226	1.3284	1.4940	27.2280	58.0441	110.6805	.0010	40.0225
14.0	2.4188	1.4161	1.20	.5535	1.8067	1.2600	.6180	1.4034	1.5631	26.1272	56.9016	103.8739	.0010	38.8859
14.0	2.4188	1.4161	1.20	.5535	1.8067	1.3100	.6093	1.4809	1.6332	24.9445	55.8444	97.0673	.0011	37.7491
14.0	2.4188	1.4161	1.20	.5535	1.8067	1.3600	.5964	1.5611	1.7046	23.6773	54.8858	90.2607	.0011	36.6118
14.0	2.4188	1.4161	1.20	.5535	1.8067	1.4100	.5788	1.6442	1.7774	22.3194	54.0469	83.4541	.0011	35.4742
14.0	2.4188	1.4161	1.20	.5535	1.8067	1.4600	.5564	1.7305	1.8519	20.8603	53.3613	76.6475	.0012	34.3359
14.0	2.4188	1.4161	1.20	.5535	1.8067	1.5100	.5283	1.8203	1.9284	19.2830	52.8825	69.8409	.0012	33.1969
14.0	2.4188	1.4161	1.20	.5535	1.8067	1.5600	.4937	1.9137	2.0072	17.5615	52.6999	63.0343	.0012	32.0570
14.0	2.4188	1.4161	1.20	.5535	1.8067	1.6100	.4512	2.0111	2.0886	15.6540	52.9714	56.2277	.0012	30.9157
14.0	2.4188	1.4161	1.20	.5535	1.8067	1.6600	.3982	2.1130	2.1730	13.4879	54.6030	49.4211	.0012	29.7725
14.0	2.4188	1.4161	1.20	.5535	1.8067	1.7100	.3299	2.2198	2.2607	10.9185	56.4845	42.6146	.0012	28.6265
14.0	2.4188	1.4161	1.20	.5535	1.8067	1.7600	.2335	2.3321	2.3525	7.5589	62.4706	35.8080	.0012	27.4761

14.0	2.4188	1.4161	1.24	.5904	1.6936	.6000	.1019	.5655	.5735	9.6380	86.2919	190.9983	.0006	57.9959
14.0	2.4188	1.4161	1.24	.5904	1.6936	.6500	.2485	.6189	.6626	20.9228	80.7278	183.9648	.0006	56.8228
14.0	2.4188	1.4161	1.24	.5904	1.6936	.7000	.3288	.6735	.7441	25.1628	77.4085	176.9313	.0006	55.6496
14.0	2.4188	1.4161	1.24	.5904	1.6936	.7500	.3867	.7293	.8205	27.2747	74.7893	169.8978	.0006	54.4763
14.0	2.4188	1.4161	1.24	.5904	1.6936	.8000	.4312	.7864	.8934	28.3239	72.5555	162.8643	.0007	53.3029
14.0	2.4188	1.4161	1.24	.5904	1.6936	.8500	.4662	.8449	.9637	28.7426	70.5780	155.8309	.0007	52.1295
14.0	2.4188	1.4161	1.24	.5904	1.6936	.9000	.4937	.9049	1.0321	28.7475	68.7898	148.7974	.0007	50.9559
14.0	2.4188	1.4161	1.24	.5904	1.6936	.9500	.5150	.9663	1.0992	28.4601	67.1524	141.7639	.0007	49.7822
14.0	2.4188	1.4161	1.24	.5904	1.6936	1.0000	.5307	1.0294	1.1654	27.9539	65.6424	134.7304	.0008	48.6084
14.0	2.4188	1.4161	1.24	.5904	1.6936	1.0500	.5414	1.0942	1.2310	27.2752	64.2460	127.6970	.0008	47.4344
14.0	2.4188	1.4161	1.24	.5904	1.6936	1.1000	.5473	1.1607	1.2965	26.4534	62.9566	120.6635	.0008	46.2601
14.0	2.4188	1.4161	1.24	.5904	1.6936	1.1500	.5487	1.2292	1.3619	25.5071	61.7734	113.6300	.0008	45.0856
14.0	2.4188	1.4161	1.24	.5904	1.6936	1.2000	.5455	1.2997	1.4277	24.4470	60.7013	106.5965	.0009	43.9109
14.0	2.4188	1.4161	1.24	.5904	1.6936	1.2500	.5377	1.3723	1.4939	23.2773	59.7523	99.5630	.0009	42.7357
14.0	2.4188	1.4161	1.24	.5904	1.6936	1.3000	.5252	1.4473	1.5609	21.9969	58.9472	92.5296	.0009	41.5602
14.0	2.4188	1.4161	1.24	.5904	1.6936	1.3500	.5074	1.5247	1.6288	20.5986	58.3198	85.4961	.0009	40.3841
14.0	2.4188	1.4161	1.24	.5904	1.6936	1.4000	.4839	1.6047	1.6978	19.0681	57.9247	78.4626	.0009	39.2073
14.0	2.4188	1.4161	1.24	.5904	1.6936	1.4500	.4539	1.6875	1.7683	17.3808	57.8516	71.4291	.0009	38.0296
14.0	2.4188	1.4161	1.24	.5904	1.6936	1.5000	.4159	1.7734	1.8403	15.4952	58.2564	64.3956	.0010	36.8507
14.0	2.4188	1.4161	1.24	.5904	1.6936	1.5500	.3675	1.8626	1.9142	13.3368	59.4340	57.3622	.0010	35.6702
14.0	2.4188	1.4161	1.24	.5904	1.6936	1.6000	.3039	1.9554	1.9903	10.7535	62.0281	50.3287	.0009	34.4873
14.0	2.4188	1.4161	1.24	.5904	1.6936	1.6500	.2121	2.0521	2.0690	7.3248	67.2941	43.2952	.0009	33.3011
14.0	2.4188	1.4161	1.28	.6331	1.5796	.6400	.0805	.6056	.6104	7.1719	86.9227	182.4673	.0006	61.2962
14.0	2.4188	1.4161	1.28	.6331	1.5796	.6900	.2245	.6595	.6935	18.0104	81.1932	175.2070	.0006	60.0850
14.0	2.4188	1.4161	1.28	.6331	1.5796	.7400	.2986	.7145	.7705	21.9761	77.9423	167.9466	.0006	58.8736
14.0	2.4188	1.4161	1.28	.6331	1.5796	.7900	.3508	.7708	.8433	23.9413	75.4143	160.6862	.0006	57.6622
14.0	2.4188	1.4161	1.28	.6331	1.5796	.8400	.3897	.8283	.9131	24.8907	73.2862	153.4259	.0006	56.4506
14.0	2.4188	1.4161	1.28	.6331	1.5796	.8900	.4193	.8872	.9807	25.2248	71.4295	146.1655	.0007	55.2389
14.0	2.4188	1.4161	1.28	.6331	1.5796	.9400	.4412	.9474	1.0466	25.1054	69.7802	138.9051	.0007	54.0270
14.0	2.4188	1.4161	1.28	.6331	1.5796	.9900	.4567	1.0092	1.1115	24.7663	68.3041	131.6448	.0007	52.8149
14.0	2.4188	1.4161	1.28	.6331	1.5796	1.0400	.4664	1.0726	1.1755	24.1554	66.9840	124.3844	.0007	51.6026
14.0	2.4188	1.4161	1.28	.6331	1.5796	1.0900	.4707	1.1376	1.2391	23.3544	65.8146	117.1240	.0007	50.3899
14.0	2.4188	1.4161	1.28	.6331	1.5796	1.1400	.4696	1.2044	1.3025	22.3877	64.8009	109.8637	.0007	49.1770
14.0	2.4188	1.4161	1.28	.6331	1.5796	1.1900	.4632	1.2730	1.3660	21.2679	63.9590	102.6033	.0008	47.9636
14.0	2.4188	1.4161	1.28	.6331	1.5796	1.2400	.4513	1.3436	1.4298	19.9971	63.3193	95.3430	.0008	46.7497
14.0	2.4188	1.4161	1.28	.6331	1.5796	1.2900	.4333	1.4163	1.4940	18.5675	62.9325	88.0826	.0008	45.5352
14.0	2.4188	1.4161	1.28	.6331	1.5796	1.3400	.4086	1.4912	1.5590	16.9588	62.8837	80.8222	.0008	44.3199
14.0	2.4188	1.4161	1.28	.6331	1.5796	1.3900	.3759	1.5685	1.6249	15.1315	63.3193	73.5619	.0008	43.1036
14.0	2.4188	1.4161	1.28	.6331	1.5796	1.4400	.3327	1.6484	1.6918	13.0105	64.5123	66.3015	.0008	41.8859
14.0	2.4188	1.4161	1.28	.6331	1.5796	1.4900	.2744	1.7310	1.7601	10.4356	67.0467	59.0411	.0008	40.6664
14.0	2.4188	1.4161	1.28	.6331	1.5796	1.5400	.1875	1.8166	1.8300	6.9410	72.5923	51.7808	.0008	39.4441

14.0	2.4188	1.4161	1.32	.6843	1.4613	.6900	.0661	.6567	.6597	5.4706	87.3268	172.0759	.0006	64.4355
14.0	2.4188	1.4161	1.32	.6843	1.4613	.7400	.1997	.7112	.7367	15.1050	81.6771	164.5887	.0006	63.1860
14.0	2.4188	1.4161	1.32	.6843	1.4613	.7900	.2654	.7669	.8090	18.5695	78.5925	157.1014	.0006	61.9364
14.0	2.4188	1.4161	1.32	.6843	1.4613	.8400	.3098	.8238	.8781	20.2458	76.2415	149.6142	.0006	60.6867
14.0	2.4188	1.4161	1.32	.6843	1.4613	.8900	.3414	.8820	.9446	20.9873	74.3087	142.1269	.0006	59.4367
14.0	2.4188	1.4161	1.32	.6843	1.4613	.9400	.3635	.9415	1.0094	21.1432	72.6743	134.6397	.0006	58.1865
14.0	2.4188	1.4161	1.32	.6843	1.4613	.9900	.3778	1.0024	1.0729	20.8902	71.2846	127.1524	.0006	56.9360
14.0	2.4188	1.4161	1.32	.6843	1.4613	1.0400	.3852	1.0648	1.1355	20.3261	70.1189	119.6652	.0006	55.6852
14.0	2.4188	1.4161	1.32	.6843	1.4613	1.0900	.3861	1.1287	1.1975	19.5063	69.1784	112.1779	.0007	54.4340
14.0	2.4188	1.4161	1.32	.6843	1.4613	1.1400	.3805	1.1943	1.2591	18.4593	68.4853	104.6907	.0007	53.1823
14.0	2.4188	1.4161	1.32	.6843	1.4613	1.1900	.3682	1.2616	1.3206	17.1930	68.0866	97.2034	.0007	51.9301
14.0	2.4188	1.4161	1.32	.6843	1.4613	1.2400	.3484	1.3308	1.3823	15.6951	68.0672	89.7162	.0007	50.6771
14.0	2.4188	1.4161	1.32	.6843	1.4613	1.2900	.3199	1.4019	1.4444	13.9262	68.5789	82.2289	.0007	49.4232
14.0	2.4188	1.4161	1.32	.6843	1.4613	1.3400	.2799	1.4751	1.5069	11.7972	69.9130	74.7417	.0007	48.1681
14.0	2.4188	1.4161	1.32	.6843	1.4613	1.3900	.2224	1.5505	1.5702	9.0918	72.7264	67.2544	.0007	46.9114
14.0	2.4188	1.4161	1.32	.6843	1.4613	1.4400	.1258	1.6283	1.6345	4.9915	79.2954	59.7672	.0006	45.6524
14.0	2.4188	1.4161	1.36	.7510	1.3315	.7600	.0714	.7301	.7334	5.3642	86.8917	158.1451	.0005	67.1330
14.0	2.4188	1.4161	1.36	.7510	1.3315	.8100	.1747	.7858	.8038	12.1709	82.1319	150.4310	.0006	65.8451
14.0	2.4188	1.4161	1.36	.7510	1.3315	.8600	.2258	.8425	.8711	14.7085	79.4668	142.7168	.0006	64.5570
14.0	2.4188	1.4161	1.36	.7510	1.3315	.9100	.2577	.9006	.9360	15.8141	77.5158	135.0027	.0006	63.2686
14.0	2.4188	1.4161	1.36	.7510	1.3315	.9600	.2774	.9599	.9991	16.1148	76.0206	127.2886	.0006	61.9798
14.0	2.4188	1.4161	1.36	.7510	1.3315	1.0100	.2871	1.0205	1.0610	15.8707	74.8988	119.5744	.0006	60.6907
14.0	2.4188	1.4161	1.36	.7510	1.3315	1.0600	.2881	1.0826	1.1219	15.2068	74.1394	111.8603	.0006	59.4011
14.0	2.4188	1.4161	1.36	.7510	1.3315	1.1100	.2804	1.1462	1.1822	14.1776	73.7833	104.1461	.0006	58.1109
14.0	2.4188	1.4161	1.36	.7510	1.3315	1.1600	.2632	1.2113	1.2421	12.7860	73.9349	96.4320	.0006	56.8200
14.0	2.4188	1.4161	1.36	.7510	1.3315	1.2100	.2346	1.2782	1.3020	10.9730	74.8105	88.7179	.0006	55.5282
14.0	2.4188	1.4161	1.36	.7510	1.3315	1.2600	.1894	1.3468	1.3619	8.5491	76.9028	81.0037	.0006	54.2353
14.0	2.4188	1.4161	1.36	.7510	1.3315	1.3100	.1088	1.4172	1.4221	4.7475	81.8969	73.2896	.0006	52.9408
14.0	2.4188	1.4161	1.40	.8593	1.1637	.8600	.0145	.8385	.8386	.9690	89.2963	138.8144	.0005	69.0768
14.0	2.4188	1.4161	1.40	.8593	1.1637	.9100	.1129	.8959	.9027	7.0735	84.3149	130.8734	.0005	67.7499
14.0	2.4188	1.4161	1.40	.8593	1.1637	.9600	.1426	.9545	.9649	8.4466	82.5099	122.9323	.0005	66.4227
14.0	2.4188	1.4161	1.40	.8593	1.1637	1.0100	.1514	1.0144	1.0257	8.5275	81.2699	114.9913	.0005	65.0949
14.0	2.4188	1.4161	1.40	.8593	1.1637	1.0600	.1435	1.0756	1.0854	7.7101	81.7048	107.0503	.0005	63.7664
14.0	2.4188	1.4161	1.40	.8593	1.1637	1.1100	.1154	1.1383	1.1444	5.9348	82.9593	99.1093	.0005	62.4372
14.0	2.4188	1.4161	1.40	.8593	1.1637	1.1600	.0333	1.2024	1.2029	1.6456	87.8417	91.1682	.0005	61.1070

APPENDIX H

PROPERTIES OF AN OBLIQUE DETONATION WAVE

GAMMA = 1.3

M1	M1*	DELMAX	DEL	XMIN	XMAX	X(M2U*)	Y(M2V*)	M2U	M2	THETA	SIGMA	PR21	PTR21	TR21
1.5	1.3909	1.0549	1.00	.7190	1.3909	.7200	.0197	.6953	.6956	1.5633	88.3223	2.4109	.9263	1.2470
1.5	1.3909	1.0549	1.00	.7190	1.3909	.7500	.1040	.7271	.7341	7.8953	80.7820	2.3478	.9325	1.2375
1.5	1.3909	1.0549	1.00	.7190	1.3909	.7800	.1408	.7591	.7714	10.2348	77.0180	2.2847	.9385	1.2279
1.5	1.3909	1.0549	1.00	.7190	1.3909	.8100	.1657	.7914	.8078	11.5633	74.0765	2.2216	.9444	1.2182
1.5	1.3909	1.0549	1.00	.7190	1.3909	.8400	.1837	.8240	.8435	12.3362	71.5580	2.1585	.9500	1.2085
1.5	1.3909	1.0549	1.00	.7190	1.3909	.8700	.1968	.8570	.8786	12.7442	69.3058	2.0954	.9554	1.1987
1.5	1.3909	1.0549	1.00	.7190	1.3909	.9000	.2060	.8902	.9132	12.8898	67.2390	2.0323	.9606	1.1888
1.5	1.3909	1.0549	1.00	.7190	1.3909	.9300	.2119	.9238	.9474	12.8353	65.3095	1.9692	.9655	1.1788
1.5	1.3909	1.0549	1.00	.7190	1.3909	.9600	.2150	.9577	.9814	12.6218	63.4858	1.9062	.9702	1.1687
1.5	1.3909	1.0549	1.00	.7190	1.3909	.9900	.2154	.9920	1.0152	12.2774	61.7456	1.8431	.9745	1.1584
1.5	1.3909	1.0549	1.00	.7190	1.3909	1.0200	.2135	1.0266	1.0489	11.8224	60.0729	1.7800	.9786	1.1480
1.5	1.3909	1.0549	1.00	.7190	1.3909	1.0500	.2093	1.0617	1.0826	11.2714	58.4551	1.7169	.9823	1.1375
1.5	1.3909	1.0549	1.00	.7190	1.3909	1.0800	.2028	1.0972	1.1164	10.6352	56.8825	1.6538	.9857	1.1268
1.5	1.3909	1.0549	1.00	.7190	1.3909	1.1100	.1942	1.1332	1.1504	9.9216	55.3470	1.5907	.9887	1.1160
1.5	1.3909	1.0549	1.00	.7190	1.3909	1.1400	.1833	1.1696	1.1846	9.1365	53.8420	1.5276	.9914	1.1049
1.5	1.3909	1.0549	1.00	.7190	1.3909	1.1700	.1703	1.2066	1.2193	8.2837	52.3619	1.4645	.9937	1.0936
1.5	1.3909	1.0549	1.00	.7190	1.3909	1.2000	.1551	1.2441	1.2544	7.3658	50.9016	1.4014	.9957	1.0821
1.5	1.3909	1.0549	1.00	.7190	1.3909	1.2300	.1376	1.2822	1.2902	6.3843	49.4567	1.3383	.9972	1.0703
1.5	1.3909	1.0549	1.00	.7190	1.3909	1.2600	.1178	1.3210	1.3268	5.3393	48.0232	1.2753	.9984	1.0581
1.5	1.3909	1.0549	1.00	.7190	1.3909	1.2900	.0954	1.3605	1.3642	4.2303	46.5972	1.2122	.9992	1.0456
1.5	1.3909	1.0549	1.00	.7190	1.3909	1.3200	.0705	1.4009	1.4028	3.0555	45.1752	1.1491	.9997	1.0327
1.5	1.3909	1.0549	1.00	.7190	1.3909	1.3500	.0427	1.4421	1.4428	1.8121	43.7537	1.0860	.9999	1.0192
1.5	1.3909	1.0549	1.00	.7190	1.3909	1.3800	.0120	1.4844	1.4844	.4964	42.3290	1.0229	1.0000	1.0052
1.5	1.3909	1.0549	1.04	.8443	1.1844	.8500	.0304	.8329	.8334	2.0464	86.6177	2.0660	.9003	1.3101
1.5	1.3909	1.0549	1.04	.8443	1.1844	.8800	.0714	.8658	.8686	4.6393	81.6051	2.0004	.9029	1.2996
1.5	1.3909	1.0549	1.04	.8443	1.1844	.9100	.0903	.8990	.9034	5.6682	78.7455	1.9348	.9051	1.2888
1.5	1.3909	1.0549	1.04	.8443	1.1844	.9400	.1008	.9326	.9379	6.1217	76.6211	1.8691	.9071	1.2780
1.5	1.3909	1.0549	1.04	.8443	1.1844	.9700	.1058	.9665	.9723	6.2252	74.9637	1.8035	.9087	1.2670
1.5	1.3909	1.0549	1.04	.8443	1.1844	1.0000	.1065	1.0009	1.0065	6.0779	73.6895	1.7379	.9099	1.2558
1.5	1.3909	1.0549	1.04	.8443	1.1844	1.0300	.1034	1.0356	1.0408	5.7325	72.7930	1.6723	.9107	1.2444
1.5	1.3909	1.0549	1.04	.8443	1.1844	1.0600	.0968	1.0707	1.0752	5.2178	72.3312	1.6067	.9112	1.2329
1.5	1.3909	1.0549	1.04	.8443	1.1844	1.0900	.0866	1.1064	1.1098	4.5448	72.4454	1.5411	.9112	1.2210
1.5	1.3909	1.0549	1.04	.8443	1.1844	1.1200	.0725	1.1425	1.1449	3.7035	73.4449	1.4755	.9108	1.2090
1.5	1.3909	1.0549	1.04	.8443	1.1844	1.1500	.0529	1.1791	1.1804	2.6332	76.1104	1.4099	.9101	1.1966
1.5	1.3909	1.0549	1.04	.8443	1.1844	1.1800	.0185	1.2164	1.2165	.9006	84.2400	1.3442	.9089	1.1838

LOOP BRANCH (M1 FROM 1 TO 5)

GAMMA = 1.3

M1	M1*	DELMAX	DEL	XMIN	XMAX	X(M2U*)	Y(M2V*)	M2U	M2	THETA	SIGMA	PR21	PTR21	TR21
2.0	1.6956	1.1427	1.00	.5898	1.6956	.5900	.0139	.5631	.5633	1.3471	89.2810	4.3906	.7007	1.5273
2.0	1.6956	1.1427	1.00	.5898	1.6956	.6200	.1556	.5942	.6126	14.0902	81.7673	4.2986	.7110	1.5147
2.0	1.6956	1.1427	1.00	.5898	1.6956	.6500	.2158	.6256	.6591	18.3649	78.3392	4.2066	.7215	1.5021
2.0	1.6956	1.1427	1.00	.5898	1.6956	.6800	.2593	.6572	.7034	20.8729	75.6773	4.1146	.7320	1.4895
2.0	1.6956	1.1427	1.00	.5898	1.6956	.7100	.2937	.6891	.7458	22.4712	73.4076	4.0226	.7426	1.4768
2.0	1.6956	1.1427	1.00	.5898	1.6956	.7400	.3219	.7214	.7867	23.5068	71.3851	3.9306	.7533	1.4641
2.0	1.6956	1.1427	1.00	.5898	1.6956	.7700	.3454	.7539	.8263	24.1602	69.5355	3.8386	.7641	1.4514
2.0	1.6956	1.1427	1.00	.5898	1.6956	.8000	.3652	.7867	.8648	24.5376	67.8145	3.7466	.7749	1.4386
2.0	1.6956	1.1427	1.00	.5898	1.6956	.8300	.3819	.8199	.9025	24.7073	66.1935	3.6546	.7857	1.4258
2.0	1.6956	1.1427	1.00	.5898	1.6956	.8600	.3958	.8534	.9394	24.7152	64.6522	3.5626	.7965	1.4129
2.0	1.6956	1.1427	1.00	.5898	1.6956	.8900	.4074	.8872	.9757	24.5935	63.1761	3.4706	.8074	1.4001
2.0	1.6956	1.1427	1.00	.5898	1.6956	.9200	.4167	.9214	1.0115	24.3657	61.7539	3.3786	.8183	1.3871
2.0	1.6956	1.1427	1.00	.5898	1.6956	.9500	.4239	.9559	1.0468	24.0491	60.3772	3.2865	.8291	1.3741
2.0	1.6956	1.1427	1.00	.5898	1.6956	.9800	.4293	.9908	1.0817	23.6568	59.0387	3.1945	.8399	1.3611
2.0	1.6956	1.1427	1.00	.5898	1.6956	1.0100	.4329	1.0261	1.1164	23.1986	57.7328	3.1025	.8506	1.3480
2.0	1.6956	1.1427	1.00	.5898	1.6956	1.0400	.4347	1.0618	1.1508	22.6824	56.4547	3.0105	.8612	1.3348
2.0	1.6956	1.1427	1.00	.5898	1.6956	1.0700	.4348	1.0978	1.1850	22.1140	55.2003	2.9185	.8717	1.3216
2.0	1.6956	1.1427	1.00	.5898	1.6956	1.1000	.4333	1.1344	1.2192	21.4980	53.9660	2.8265	.8821	1.3083
2.0	1.6956	1.1427	1.00	.5898	1.6956	1.1300	.4301	1.1713	1.2533	20.8378	52.7487	2.7345	.8923	1.2949
2.0	1.6956	1.1427	1.00	.5898	1.6956	1.1600	.4253	1.2087	1.2874	20.1360	51.5456	2.6425	.9023	1.2814
2.0	1.6956	1.1427	1.00	.5898	1.6956	1.1900	.4189	1.2466	1.3216	19.3945	50.3541	2.5505	.9120	1.2678
2.0	1.6956	1.1427	1.00	.5898	1.6956	1.2200	.4109	1.2850	1.3559	18.6145	49.1719	2.4585	.9215	1.2541
2.0	1.6956	1.1427	1.00	.5898	1.6956	1.2500	.4012	1.3239	1.3904	17.7966	47.9968	2.3665	.9307	1.2403
2.0	1.6956	1.1427	1.00	.5898	1.6956	1.2800	.3899	1.3634	1.4252	16.9409	46.8268	2.2745	.9395	1.2263
2.0	1.6956	1.1427	1.00	.5898	1.6956	1.3100	.3768	1.4034	1.4603	16.0471	45.6598	2.1825	.9479	1.2122
2.0	1.6956	1.1427	1.00	.5898	1.6956	1.3400	.3619	1.4441	1.4959	15.1144	44.4939	2.0905	.9558	1.1979
2.0	1.6956	1.1427	1.00	.5898	1.6956	1.3700	.3452	1.4855	1.5319	14.1413	43.3272	1.9985	.9633	1.1834
2.0	1.6956	1.1427	1.00	.5898	1.6956	1.4000	.3265	1.5275	1.5685	13.1262	42.1577	1.9065	.9701	1.1687
2.0	1.6956	1.1427	1.00	.5898	1.6956	1.4300	.3057	1.5703	1.6058	12.0667	40.9834	1.8145	.9764	1.1537
2.0	1.6956	1.1427	1.00	.5898	1.6956	1.4600	.2827	1.6140	1.6440	10.9598	39.8023	1.7225	.9820	1.1385
2.0	1.6956	1.1427	1.00	.5898	1.6956	1.4900	.2574	1.6586	1.6832	9.8018	38.6122	1.6305	.9869	1.1228
2.0	1.6956	1.1427	1.00	.5898	1.6956	1.5200	.2296	1.7042	1.7235	8.5884	37.4107	1.5385	.9910	1.1068
2.0	1.6956	1.1427	1.00	.5898	1.6956	1.5500	.1989	1.7509	1.7653	7.3141	36.1954	1.4465	.9943	1.0903
2.0	1.6956	1.1427	1.00	.5898	1.6956	1.5800	.1653	1.7989	1.8087	5.9723	34.9635	1.3545	.9968	1.0733
2.0	1.6956	1.1427	1.00	.5898	1.6956	1.6100	.1283	1.8484	1.8542	4.5551	33.7120	1.2625	.9986	1.0556
2.0	1.6956	1.1427	1.00	.5898	1.6956	1.6400	.0875	1.8995	1.9022	3.0526	32.4372	1.1705	.9996	1.0371
2.0	1.6956	1.1427	1.00	.5898	1.6956	1.6700	.0423	1.9527	1.9533	1.4527	31.1352	1.0785	1.0000	1.0176
2.0	1.6956	1.1427	1.04	.6435	1.5539	.6500	.0655	.6237	.6269	5.7555	86.2984	4.1268	.6901	1.6342
2.0	1.6956	1.1427	1.04	.6435	1.5539	.6800	.1524	.6552	.6714	12.6284	81.1870	4.0312	.6983	1.6209
2.0	1.6956	1.1427	1.04	.6435	1.5539	.7100	.2012	.6869	.7140	15.8244	78.0723	3.9355	.7066	1.6076
2.0	1.6956	1.1427	1.04	.6435	1.5539	.7400	.2370	.7189	.7549	17.7573	75.5952	3.8398	.7148	1.5943
2.0	1.6956	1.1427	1.04	.6435	1.5539	.7700	.2650	.7513	.7945	18.9898	73.4669	3.7441	.7229	1.5809
2.0	1.6956	1.1427	1.04	.6435	1.5539	.8000	.2875	.7839	.8330	19.7691	71.5663	3.6484	.7310	1.5674
2.0	1.6956	1.1427	1.04	.6435	1.5539	.8300	.3059	.8168	.8705	20.2297	69.8296	3.5527	.7390	1.5539
2.0	1.6956	1.1427	1.04	.6435	1.5539	.8600	.3207	.8500	.9072	20.4535	68.2181	3.4571	.7469	1.5404
2.0	1.6956	1.1427	1.04	.6435	1.5539	.8900	.3327	.8836	.9433	20.4941	66.7066	3.3614	.7547	1.5268
2.0	1.6956	1.1427	1.04	.6435	1.5539	.9200	.3419	.9175	.9788	20.3886	65.2776	3.2657	.7623	1.5131
2.0	1.6956	1.1427	1.04	.6435	1.5539	.9500	.3488	.9517	1.0139	20.1631	63.9187	3.1700	.7698	1.4994
2.0	1.6956	1.1427	1.04	.6435	1.5539	.9800	.3535	.9863	1.0486	19.8370	62.6210	3.0743	.7772	1.4856
2.0	1.6956	1.1427	1.04	.6435	1.5539	1.0100	.3562	1.0213	1.0830	19.4246	61.3780	2.9786	.7843	1.4717
2.0	1.6956	1.1427	1.04	.6435	1.5539	1.0400	.3568	1.0567	1.1172	18.9366	60.1851	2.8830	.7912	1.4577
2.0	1.6956	1.1427	1.04	.6435	1.5539	1.0700	.3556	1.0925	1.1512	18.3812	59.0393	2.7873	.7978	1.4436
2.0	1.6956	1.1427	1.04	.6435	1.5539	1.1000	.3524	1.1287	1.1852	17.7645	57.9391	2.6916	.8041	1.4294
2.0	1.6956	1.1427	1.04	.6435	1.5539	1.1300	.3474	1.1653	1.2191	17.0911	56.8844	2.5959	.8101	1.4151
2.0	1.6956	1.1427	1.04	.6435	1.5539	1.1600	.3406	1.2024	1.2531	16.3642	55.8769	2.5002	.8157	1.4006
2.0	1.6956	1.1427	1.04	.6435	1.5539	1.1900	.3319	1.2399	1.2873	15.5861	54.9199	2.4045	.8209	1.3860
2.0	1.6956	1.1427	1.04	.6435	1.5539	1.2200	.3214	1.2780	1.3216	14.7580	54.0193	2.3089	.8257	1.3713
2.0	1.6956	1.1427	1.04	.6435	1.5539	1.2500	.3089	1.3167	1.3563	13.8803	53.1839	2.2132	.8300	1.3563
2.0	1.6956	1.1427	1.04	.6435	1.5539	1.2800	.2944	1.3559	1.3913	12.9525	52.4274	2.1175	.8337	1.3412
2.0	1.6956	1.1427	1.04	.6435	1.5539	1.3100	.2778	1.3957	1.4267	11.9733	51.7701	2.0218	.8369	1.3258
2.0	1.6956	1.1427	1.04	.6435	1.5539	1.3400	.2590	1.4361	1.4627	10.9403	51.2432	1.9261	.8394	1.3101
2.0	1.6956	1.1427	1.04	.6435	1.5539	1.3700	.2379	1.4773	1.4994	9.8501	50.8954	1.8304	.8413	1.2941
2.0	1.6956	1.1427	1.04	.6435	1.5539	1.4000	.2142	1.5193	1.5370	8.6974	50.8069	1.7347	.8424	1.2778
2.0	1.6956	1.1427	1.04	.6435	1.5539	1.4300	.1876	1.5621	1.5755	7.4742	51.1180	1.6391	.8428	1.2610
2.0	1.6956	1.1427	1.04	.6435	1.5539	1.4600	.1578	1.6059	1.6153	6.1678	52.0978	1.5434	.8424	1.2438
2.0	1.6956	1.1427	1.04	.6435	1.5539	1.4900	.1239	1.6508	1.6565	4.7531	54.3385	1.4477	.8412	1.2260
2.0	1.6956	1.1427	1.04	.6435	1.5539	1.5200	.0840	1.6969	1.6995	3.1638	59.5040	1.3520	.8391	1.2075
2.0	1.6956	1.1427	1.04	.6435	1.5539	1.5500	.0256	1.7444	1.7446	.9469	77.1880	1.2563	.8363	1.1881
2.0	1.6956	1.1427	1.08	.7124	1.4036	.7200	.0607	.6955	.6980	4.8203	86.1894	3.8153	.6757	1.7392
2.0	1.6956	1.1427	1.08	.7124	1.4036	.7500	.1317	.7274	.7386	9.9565	81.5060	3.7159	.6816	1.7251
2.0	1.6956	1.1427	1.08	.7124	1.4036	.7800	.1715	.7596	.7778	12.4020	78.6120	3.6165	.6874	1.7110
2.0	1.6956	1.1427	1.08	.7124	1.4036	.8100	.1999	.7921	.8159	13.8638	76.3241	3.5172	.6931	1.6968
2.0	1.6956	1.1427	1.08	.7124	1.4036	.8400	.2213	.8250	.8531	14.7617	74.3782	3.4178	.6986	1.6826
2.0	1.6956	1.1427	1.08	.7124	1.4036	.8700	.2377	.8581	.8895	15.2836	72.6635	3.3184	.7039	1.6682
2.0	1.6956	1.1427	1.08	.7124	1.4036	.9000	.2502	.8915	.9253	15.5335	71.1221	3.2191	.7089	1.6538
2.0	1.6956	1.1427	1.08	.7124	1.4036	.9300	.2592	.9253	.9606	15.5756	69.7206	3.1197	.7138	1.6393
2.0	1.6956	1.1427	1.08	.7124	1.4036	.9600	.2654	.9594	.9954	15.4522	68.4389	3.0203	.7183	1.6248
2.0	1.6956	1.1427	1.08	.7124	1.4036	.9900	.2688	.9939	1.0299	15.1925	67.2650	2.9210	.7226	1.6101
2.0	1.6956	1.1427	1.08	.7124	1.4036	1.0200	.2698	1.0288	1.0642	14.8173	66.1931	2.8216	.7265	1.5953
2.0	1.6956	1.1427	1.08	.7124	1.4036	1.0500	.2685	1.0640	1.0982	14.3415	65.2222	2.7223	.7301	1.5803
2.0	1.6956	1.1427	1.08	.7124	1.4036	1.0800	.2648	1.0997	1.1323	13.7757	64.3563	2.6229	.7333	1.5652
2.0	1.6956	1.1427	1.08	.7124	1.4036	1.1100	.2589	1.1358	1.1662	13.1274	63.6042	2.5235	.7360	1.5500
2.0	1.6956	1.1427	1.08	.7124	1.4036	1.1400	.2507	1.1723	1.2003	12.4013	62.9812	2.4242	.7384	1.5346
2.0	1.6956	1.1427	1.08	.7124	1.4036	1.1700	.2402	1.2093	1.2345	11.5999	62.5113	2.3248	.7402	1.5190
2.0	1.6956	1.1427	1.08	.7124	1.4036	1.2000	.2272	1.2469	1.2690	10.7232	62.2309	2.2254	.7415	1.5031
2.0	1.6956	1.1427	1.08	.7124	1.4036	1.2300	.2118	1.2849	1.3038	9.7685	62.1960	2.1261	.7422	1.4871
2.0	1.6956	1.1427	1.08	.7124	1.4036	1.2600	.1935	1.3236	1.3391	8.7294	62.4953	2.0267	.7423	1.4707
2.0	1.6956	1.1427	1.08	.7124	1.4036	1.2900	.1720	1.3629	1.3749	7.5933	63.2765	1.9273	.7417	1.4540
2.0	1.6956	1.1427	1.08	.7124	1.4036	1.3200	.1466	1.4028	1.4114	6.3356	64.8085	1.8280	.7405	1.4369
2.0	1.6956	1.1427	1.08	.7124	1.4036	1.3500	.1158	1.4435	1.4488	4.9008	67.6525	1.7286	.7385	1.4193
2.0	1.6956	1.1427	1.08	.7124	1.4036	1.3800	.0751	1.4851	1.4873	3.1148	73.3798	1.6293	.7357	1.4013
2.0	1.6956	1.1427	1.12	.8180	1.2225	.8200	.0233	.8006	.8009	1.6302	88.2911	3.3835	.6573	1.8309
2.0	1.6956	1.1427	1.12	.8180	1.2225	.8500	.0893	.8333	.8379	5.9950	83.2322	3.2804	.6605	1.8158
2.0	1.6956	1.1427	1.12	.8180	1.2225	.8800	.1182	.8664	.8741	7.6514	80.7031	3.1774	.6634	1.8007
2.0	1.6956	1.1427	1.12	.8180	1.2225	.9100	.1364	.8997	.9098	8.5251	78.8516	3.0743	.6660	1.7854
2.0	1.6956	1.1427	1.12	.8180	1.2225	.9400	.1480	.9334	.9449	8.9472	77.4017	2.9713	.6683	1.7700
2.0	1.6956	1.1427	1.12	.8180	1.2225	.9700	.1546	.9674	.9797	9.0573	76.2556	2.8682	.6702	1.7545
2.0	1.6956	1.1427	1.12	.8180	1.2225	1.0000	.1571	1.0019	1.0141	8.9288	75.3772	2.7652	.6718	1.7388
2.0	1.6956	1.1427	1.12	.8180	1.2225	1.0300	.1558	1.0366	1.0484	8.6040	74.7638	2.6621	.6729	1.7230
2.0	1.6956	1.1427	1.12	.8180	1.2225	1.0600	.1510	1.0718	1.0827	8.1062	74.4394	2.5591	.6736	1.7069
2.0	1.6956	1.1427	1.12	.8180	1.2225	1.0900	.1424	1.1074	1.1169	7.4446	74.4594	2.4561	.6738	1.6907
2.0	1.6956	1.1427	1.12	.8180	1.2225	1.1200	.1299	1.1435	1.1512	6.6134	74.9273	2.3530	.6734	1.6742
2.0	1.6956	1.1427	1.12	.8180	1.2225	1.1500	.1124	1.1800	1.1857	5.5830	76.0390	2.2500	.6726	1.6575
2.0	1.6956	1.1427	1.12	.8180	1.2225	1.1800	.0880	1.2171	1.2205	4.2654	78.2245	2.1469	.6711	1.6405
2.0	1.6956	1.1427	1.12	.8180	1.2225	1.2100	.0485	1.2547	1.2557	2.2942	82.9537	2.0439	.6691	1.6231

LOOP BRANCH (M1 FROM 1 TO 5)

GAMMA = 1.3

M1	M1*	DELMAX	DEL	XMIN	XMAX	X(M2U*)	Y(M2V*)	M2U	M2	THETA	SIGMA	PR21	PTR21	TR21
2.5	1.9261	1.2226	1.00	.5192	1.9261	.5200	.0308	.4937	.4946	3.3898	88.7451	6.9314	.4612	1.8689
2.5	1.9261	1.2226	1.00	.5192	1.9261	.5500	.1884	.5246	.5545	18.9046	82.2057	6.8048	.4709	1.8521
2.5	1.9261	1.2226	1.00	.5192	1.9261	.5800	.2613	.5557	.6095	24.2490	79.0159	6.6783	.4808	1.8352
2.5	1.9261	1.2226	1.00	.5192	1.9261	.6100	.3151	.5872	.6609	27.3187	76.5354	6.5517	.4910	1.8184
2.5	1.9261	1.2226	1.00	.5192	1.9261	.6400	.3586	.6189	.7094	29.2601	74.4210	6.4252	.5014	1.8015
2.5	1.9261	1.2226	1.00	.5192	1.9261	.6700	.3951	.6510	.7558	30.5285	72.5383	6.2986	.5120	1.7846
2.5	1.9261	1.2226	1.00	.5192	1.9261	.7000	.4265	.6834	.8002	31.3542	70.8185	6.1721	.5228	1.7677
2.5	1.9261	1.2226	1.00	.5192	1.9261	.7300	.4539	.7161	.8432	31.8699	69.2203	6.0455	.5339	1.7508
2.5	1.9261	1.2226	1.00	.5192	1.9261	.7600	.4778	.7492	.8849	32.1584	67.7171	5.9190	.5452	1.7338
2.5	1.9261	1.2226	1.00	.5192	1.9261	.7900	.4989	.7826	.9256	32.2747	66.2900	5.7924	.5568	1.7169
2.5	1.9261	1.2226	1.00	.5192	1.9261	.8200	.5175	.8163	.9653	32.2565	64.9256	5.6659	.5686	1.6999
2.5	1.9261	1.2226	1.00	.5192	1.9261	.8500	.5338	.8505	1.0043	32.1310	63.6134	5.5393	.5806	1.6829
2.5	1.9261	1.2226	1.00	.5192	1.9261	.8800	.5481	.8850	1.0426	31.9180	62.3454	5.4127	.5929	1.6659
2.5	1.9261	1.2226	1.00	.5192	1.9261	.9100	.5605	.9199	1.0804	31.6323	61.1151	5.2862	.6054	1.6488
2.5	1.9261	1.2226	1.00	.5192	1.9261	.9400	.5712	.9552	1.1177	31.2853	59.9173	5.1596	.6182	1.6317
2.5	1.9261	1.2226	1.00	.5192	1.9261	.9700	.5802	.9908	1.1546	30.8857	58.7476	5.0331	.6312	1.6146
2.5	1.9261	1.2226	1.00	.5192	1.9261	1.0000	.5876	1.0270	1.1911	30.4403	57.6022	4.9065	.6444	1.5975
2.5	1.9261	1.2226	1.00	.5192	1.9261	1.0300	.5936	1.0635	1.2274	29.9545	56.4780	4.7800	.6579	1.5804
2.5	1.9261	1.2226	1.00	.5192	1.9261	1.0600	.5981	1.1005	1.2635	29.4325	55.3722	4.6534	.6716	1.5632
2.5	1.9261	1.2226	1.00	.5192	1.9261	1.0900	.6012	1.1379	1.2995	28.8776	54.2823	4.5269	.6855	1.5459
2.5	1.9261	1.2226	1.00	.5192	1.9261	1.1200	.6029	1.1758	1.3353	28.2925	53.2062	4.4003	.6996	1.5286
2.5	1.9261	1.2226	1.00	.5192	1.9261	1.1500	.6032	1.2142	1.3711	27.6791	52.1419	4.2738	.7138	1.5113
2.5	1.9261	1.2226	1.00	.5192	1.9261	1.1800	.6023	1.2531	1.4069	27.0392	51.0876	4.1472	.7283	1.4940
2.5	1.9261	1.2226	1.00	.5192	1.9261	1.2100	.6000	1.2925	1.4427	26.3736	50.0415	4.0206	.7429	1.4765
2.5	1.9261	1.2226	1.00	.5192	1.9261	1.2400	.5963	1.3325	1.4785	25.6834	49.0023	3.8941	.7576	1.4591
2.5	1.9261	1.2226	1.00	.5192	1.9261	1.2700	.5914	1.3730	1.5145	24.9689	47.9683	3.7675	.7724	1.4415
2.5	1.9261	1.2226	1.00	.5192	1.9261	1.3000	.5851	1.4141	1.5507	24.2303	46.9381	3.6410	.7873	1.4239
2.5	1.9261	1.2226	1.00	.5192	1.9261	1.3300	.5774	1.4558	1.5871	23.4675	45.9105	3.5144	.8022	1.4062
2.5	1.9261	1.2226	1.00	.5192	1.9261	1.3600	.5683	1.4981	1.6237	22.6802	44.8841	3.3879	.8172	1.3884
2.5	1.9261	1.2226	1.00	.5192	1.9261	1.3900	.5579	1.5411	1.6606	21.8678	43.8575	3.2613	.8320	1.3706
2.5	1.9261	1.2226	1.00	.5192	1.9261	1.4200	.5459	1.5848	1.6979	21.0295	42.8294	3.1348	.8468	1.3526
2.5	1.9261	1.2226	1.00	.5192	1.9261	1.4500	.5325	1.6292	1.7356	20.1641	41.7985	3.0082	.8615	1.3345
2.5	1.9261	1.2226	1.00	.5192	1.9261	1.4800	.5174	1.6744	1.7738	19.2702	40.7634	2.8817	.8759	1.3163
2.5	1.9261	1.2226	1.00	.5192	1.9261	1.5100	.5007	1.7204	1.8125	18.3461	39.7228	2.7551	.8900	1.2979
2.5	1.9261	1.2226	1.00	.5192	1.9261	1.5400	.4823	1.7672	1.8519	17.3897	38.6750	2.6286	.9038	1.2794
2.5	1.9261	1.2226	1.00	.5192	1.9261	1.5700	.4620	1.8150	1.8920	16.3986	37.6186	2.5020	.9171	1.2606
2.5	1.9261	1.2226	1.00	.5192	1.9261	1.6000	.4398	1.8638	1.9329	15.3697	36.5518	2.3754	.9298	1.2417
2.5	1.9261	1.2226	1.00	.5192	1.9261	1.6300	.4155	1.9136	1.9748	14.2996	35.4727	2.2489	.9419	1.2224
2.5	1.9261	1.2226	1.00	.5192	1.9261	1.6600	.3889	1.9646	2.0177	13.1839	34.3795	2.1223	.9531	1.2029
2.5	1.9261	1.2226	1.00	.5192	1.9261	1.6900	.3598	2.0168	2.0620	12.0178	33.2697	1.9958	.9635	1.1830
2.5	1.9261	1.2226	1.00	.5192	1.9261	1.7200	.3280	2.0705	2.1078	10.7951	32.1410	1.8692	.9727	1.1627
2.5	1.9261	1.2226	1.00	.5192	1.9261	1.7500	.2931	2.1257	2.1553	9.5083	30.9904	1.7427	.9808	1.1418
2.5	1.9261	1.2226	1.00	.5192	1.9261	1.7800	.2549	2.1828	2.2050	8.1485	29.8147	1.6161	.9876	1.1204
2.5	1.9261	1.2226	1.00	.5192	1.9261	1.8100	.2128	2.2419	2.2574	6.7044	28.6100	1.4896	.9929	1.0981
2.5	1.9261	1.2226	1.00	.5192	1.9261	1.8400	.1662	2.3036	2.3130	5.1617	27.3717	1.3630	.9966	1.0749
2.5	1.9261	1.2226	1.00	.5192	1.9261	1.8700	.1144	2.3682	2.3727	3.5022	26.0943	1.2365	.9989	1.0505
2.5	1.9261	1.2226	1.00	.5192	1.9261	1.9000	.0565	2.4367	2.4377	1.7020	24.7710	1.1099	.9999	1.0244
2.5	1.9261	1.2226	1.04	.5575	1.7937	.5600	.0506	.5333	.5355	5.1644	87.8185	6.6682	.4556	2.0092
2.5	1.9261	1.2226	1.04	.5575	1.7937	.5900	.1802	.5644	.5901	16.9852	82.0995	6.5365	.4639	1.9916
2.5	1.9261	1.2226	1.04	.5575	1.7937	.6200	.2463	.5957	.6410	21.6649	79.0136	6.4049	.4724	1.9739
2.5	1.9261	1.2226	1.04	.5575	1.7937	.6500	.2951	.6273	.6890	24.4210	76.5978	6.2733	.4811	1.9563
2.5	1.9261	1.2226	1.04	.5575	1.7937	.6800	.3344	.6593	.7347	26.1870	74.5343	6.1417	.4899	1.9386
2.5	1.9261	1.2226	1.04	.5575	1.7937	.7100	.3672	.6915	.7785	27.3468	72.6963	6.0101	.4988	1.9210
2.5	1.9261	1.2226	1.04	.5575	1.7937	.7400	.3951	.7241	.8208	28.0994	71.0178	5.8785	.5079	1.9032
2.5	1.9261	1.2226	1.04	.5575	1.7937	.7700	.4191	.7570	.8619	28.5617	69.4594	5.7468	.5170	1.8855
2.5	1.9261	1.2226	1.04	.5575	1.7937	.8000	.4399	.7902	.9018	28.8079	67.9953	5.6152	.5263	1.8678
2.5	1.9261	1.2226	1.04	.5575	1.7937	.8300	.4580	.8238	.9408	28.8877	66.6076	5.4836	.5358	1.8500
2.5	1.9261	1.2226	1.04	.5575	1.7937	.8600	.4735	.8577	.9791	28.8361	65.2831	5.3520	.5453	1.8322
2.5	1.9261	1.2226	1.04	.5575	1.7937	.8900	.4868	.8919	1.0167	28.6780	64.0119	5.2204	.5549	1.8143
2.5	1.9261	1.2226	1.04	.5575	1.7937	.9200	.4981	.9266	1.0537	28.4320	62.7866	5.0888	.5647	1.7964
2.5	1.9261	1.2226	1.04	.5575	1.7937	.9500	.5075	.9616	1.0902	28.1119	61.6009	4.9571	.5745	1.7785
2.5	1.9261	1.2226	1.04	.5575	1.7937	.9800	.5151	.9970	1.1264	27.7285	60.4501	4.8255	.5844	1.7606
2.5	1.9261	1.2226	1.04	.5575	1.7937	1.0100	.5211	1.0328	1.1622	27.2900	59.3303	4.6939	.5943	1.7425
2.5	1.9261	1.2226	1.04	.5575	1.7937	1.0400	.5254	1.0691	1.1978	26.8027	58.2381	4.5623	.6043	1.7245
2.5	1.9261	1.2226	1.04	.5575	1.7937	1.0700	.5282	1.1057	1.2331	26.2718	57.1710	4.4307	.6143	1.7064
2.5	1.9261	1.2226	1.04	.5575	1.7937	1.1000	.5294	1.1428	1.2683	25.7009	56.1268	4.2991	.6244	1.6882
2.5	1.9261	1.2226	1.04	.5575	1.7937	1.1300	.5292	1.1804	1.3034	25.0933	55.1037	4.1675	.6344	1.6700
2.5	1.9261	1.2226	1.04	.5575	1.7937	1.1600	.5274	1.2184	1.3384	24.4511	54.1004	4.0358	.6444	1.6518
2.5	1.9261	1.2226	1.04	.5575	1.7937	1.1900	.5243	1.2569	1.3735	23.7761	53.1159	3.9042	.6543	1.6334
2.5	1.9261	1.2226	1.04	.5575	1.7937	1.2200	.5196	1.2959	1.4086	23.0694	52.1495	3.7726	.6641	1.6150
2.5	1.9261	1.2226	1.04	.5575	1.7937	1.2500	.5135	1.3355	1.4438	22.3316	51.2011	3.6410	.6738	1.5964
2.5	1.9261	1.2226	1.04	.5575	1.7937	1.2800	.5058	1.3756	1.4791	21.5632	50.2707	3.5094	.6833	1.5778
2.5	1.9261	1.2226	1.04	.5575	1.7937	1.3100	.4967	1.4163	1.5146	20.7640	49.3591	3.3778	.6926	1.5591
2.5	1.9261	1.2226	1.04	.5575	1.7937	1.3400	.4860	1.4575	1.5504	19.9335	48.4675	3.2461	.7016	1.5402
2.5	1.9261	1.2226	1.04	.5575	1.7937	1.3700	.4736	1.4994	1.5865	19.0709	47.5980	3.1145	.7104	1.5213
2.5	1.9261	1.2226	1.04	.5575	1.7937	1.4000	.4596	1.5420	1.6230	18.1750	46.7535	2.9829	.7187	1.5021
2.5	1.9261	1.2226	1.04	.5575	1.7937	1.4300	.4439	1.5853	1.6599	17.2441	45.9386	2.8513	.7266	1.4828
2.5	1.9261	1.2226	1.04	.5575	1.7937	1.4600	.4263	1.6293	1.6973	16.2760	45.1594	2.7197	.7340	1.4633
2.5	1.9261	1.2226	1.04	.5575	1.7937	1.4900	.4067	1.6741	1.7353	15.2683	44.4251	2.5881	.7409	1.4435
2.5	1.9261	1.2226	1.04	.5575	1.7937	1.5200	.3851	1.7197	1.7741	14.2175	43.7488	2.4564	.7470	1.4235
2.5	1.9261	1.2226	1.04	.5575	1.7937	1.5500	.3613	1.7663	1.8137	13.1196	43.1502	2.3248	.7524	1.4032
2.5	1.9261	1.2226	1.04	.5575	1.7937	1.5800	.3350	1.8139	1.8542	11.9696	42.6589	2.1932	.7569	1.3826
2.5	1.9261	1.2226	1.04	.5575	1.7937	1.6100	.3060	1.8626	1.8960	10.7611	42.3224	2.0616	.7605	1.3615
2.5	1.9261	1.2226	1.04	.5575	1.7937	1.6400	.2740	1.9125	1.9391	9.4859	42.2202	1.9300	.7630	1.3399
2.5	1.9261	1.2226	1.04	.5575	1.7937	1.6700	.2387	1.9639	1.9838	8.1330	42.4949	1.7984	.7643	1.3177
2.5	1.9261	1.2226	1.04	.5575	1.7937	1.7000	.1993	2.0168	2.0306	6.6858	43.4306	1.6667	.7643	1.2948
2.5	1.9261	1.2226	1.04	.5575	1.7937	1.7300	.1549	2.0715	2.0798	5.1164	45.6858	1.5351	.7630	1.2710
2.5	1.9261	1.2226	1.04	.5575	1.7937	1.7600	.1032	2.1284	2.1321	3.3569	51.2550	1.4035	.7602	1.2460
2.5	1.9261	1.2226	1.04	.5575	1.7937	1.7900	.0297	2.1881	2.1884	.9506	73.2445	1.2719	.7560	1.2196

2.5	1.9261	1.2226	1.08	.6014	1.6627	.6100	.0863	.5835	.5893	8.0482	86.0317	6.3459	.4501	2.1480
2.5	1.9261	1.2226	1.08	.6014	1.6627	.6400	.1800	.6148	.6386	15.7097	81.5612	6.2092	.4572	2.1296
2.5	1.9261	1.2226	1.08	.6014	1.6627	.6700	.2359	.6464	.6853	19.3979	78.7251	6.0725	.4643	2.1112
2.5	1.9261	1.2226	1.08	.6014	1.6627	.7000	.2779	.6783	.7298	21.6498	76.4550	5.9358	.4714	2.0927
2.5	1.9261	1.2226	1.08	.6014	1.6627	.7300	.3115	.7105	.7725	23.1102	74.5003	5.7992	.4786	2.0742
2.5	1.9261	1.2226	1.08	.6014	1.6627	.7600	.3394	.7431	.8138	24.0653	72.7539	5.6625	.4859	2.0557
2.5	1.9261	1.2226	1.08	.6014	1.6627	.7900	.3629	.7759	.8538	24.6701	71.1581	5.5258	.4932	2.0371
2.5	1.9261	1.2226	1.08	.6014	1.6627	.8200	.3827	.8091	.8929	25.0187	69.6780	5.3891	.5005	2.0185
2.5	1.9261	1.2226	1.08	.6014	1.6627	.8500	.3995	.8426	.9310	25.1721	68.2904	5.2524	.5078	1.9999
2.5	1.9261	1.2226	1.08	.6014	1.6627	.8800	.4136	.8764	.9684	25.1723	66.9793	5.1158	.5151	1.9812
2.5	1.9261	1.2226	1.08	.6014	1.6627	.9100	.4253	.9106	1.0051	25.0488	65.7330	4.9791	.5224	1.9625
2.5	1.9261	1.2226	1.08	.6014	1.6627	.9400	.4348	.9452	1.0414	24.8232	64.5430	4.8424	.5297	1.9437
2.5	1.9261	1.2226	1.08	.6014	1.6627	.9700	.4423	.9801	1.0772	24.5116	63.4029	4.7057	.5369	1.9249
2.5	1.9261	1.2226	1.08	.6014	1.6627	1.0000	.4479	1.0154	1.1126	24.1262	62.3077	4.5690	.5440	1.9060
2.5	1.9261	1.2226	1.08	.6014	1.6627	1.0300	.4516	1.0511	1.1477	23.6762	61.2540	4.4324	.5511	1.8871
2.5	1.9261	1.2226	1.08	.6014	1.6627	1.0600	.4536	1.0872	1.1826	23.1688	60.2392	4.2957	.5581	1.8680
2.5	1.9261	1.2226	1.08	.6014	1.6627	1.0900	.4539	1.1237	1.2173	22.6094	59.2617	4.1590	.5649	1.8489
2.5	1.9261	1.2226	1.08	.6014	1.6627	1.1200	.4526	1.1607	1.2519	22.0022	58.3206	4.0223	.5716	1.8298
2.5	1.9261	1.2226	1.08	.6014	1.6627	1.1500	.4495	1.1981	1.2864	21.3502	57.4162	3.8857	.5781	1.8105
2.5	1.9261	1.2226	1.08	.6014	1.6627	1.1800	.4448	1.2360	1.3209	20.6558	56.5493	3.7490	.5844	1.7911
2.5	1.9261	1.2226	1.08	.6014	1.6627	1.2100	.4385	1.2744	1.3555	19.9202	55.7222	3.6123	.5904	1.7716
2.5	1.9261	1.2226	1.08	.6014	1.6627	1.2400	.4305	1.3132	1.3901	19.1442	54.9379	3.4756	.5961	1.7520
2.5	1.9261	1.2226	1.08	.6014	1.6627	1.2700	.4207	1.3527	1.4249	18.3281	54.2013	3.3389	.6015	1.7323
2.5	1.9261	1.2226	1.08	.6014	1.6627	1.3000	.4092	1.3926	1.4600	17.4711	53.5191	3.2023	.6065	1.7124
2.5	1.9261	1.2226	1.08	.6014	1.6627	1.3300	.3958	1.4332	1.4953	16.5723	52.9009	3.0656	.6111	1.6923
2.5	1.9261	1.2226	1.08	.6014	1.6627	1.3600	.3805	1.4744	1.5310	15.6297	52.3598	2.9289	.6152	1.6720
2.5	1.9261	1.2226	1.08	.6014	1.6627	1.3900	.3631	1.5162	1.5671	14.6407	51.9143	2.7922	.6187	1.6515
2.5	1.9261	1.2226	1.08	.6014	1.6627	1.4200	.3436	1.5588	1.6038	13.6017	51.5908	2.6555	.6216	1.6307
2.5	1.9261	1.2226	1.08	.6014	1.6627	1.4500	.3217	1.6021	1.6411	12.5077	51.4281	2.5189	.6238	1.6096
2.5	1.9261	1.2226	1.08	.6014	1.6627	1.4800	.2971	1.6463	1.6791	11.3522	51.4847	2.3822	.6252	1.5882
2.5	1.9261	1.2226	1.08	.6014	1.6627	1.5100	.2697	1.6913	1.7181	10.1255	51.8536	2.2455	.6258	1.5664
2.5	1.9261	1.2226	1.08	.6014	1.6627	1.5400	.2388	1.7374	1.7581	8.8137	52.6911	2.1088	.6255	1.5440
2.5	1.9261	1.2226	1.08	.6014	1.6627	1.5700	.2037	1.7845	1.7995	7.3936	54.2835	1.9722	.6241	1.5211
2.5	1.9261	1.2226	1.08	.6014	1.6627	1.6000	.1631	1.8329	1.8424	5.8203	57.2278	1.8355	.6217	1.4974
2.5	1.9261	1.2226	1.08	.6014	1.6627	1.6300	.1133	1.8827	1.8873	3.9769	63.0978	1.6988	.6180	1.4729
2.5	1.9261	1.2226	1.08	.6014	1.6627	1.6600	.0307	1.9343	1.9346	1.0596	80.9771	1.5621	.6131	1.4474
2.5	1.9261	1.2226	1.12	.6538	1.5294	.6600	.0661	.6339	.6371	5.7163	86.7402	6.0067	.4417	2.2909
2.5	1.9261	1.2226	1.12	.6538	1.5294	.6900	.1569	.6655	.6825	12.8128	82.0934	5.8650	.4474	2.2717
2.5	1.9261	1.2226	1.12	.6538	1.5294	.7200	.2079	.6974	.7259	16.1030	79.2990	5.7232	.4530	2.2524
2.5	1.9261	1.2226	1.12	.6538	1.5294	.7500	.2452	.7296	.7676	18.1027	77.0936	5.5815	.4586	2.2330
2.5	1.9261	1.2226	1.12	.6538	1.5294	.7800	.2745	.7621	.8080	19.3887	75.2133	5.4397	.4642	2.2136
2.5	1.9261	1.2226	1.12	.6538	1.5294	.8100	.2982	.7949	.8471	20.2134	73.5482	5.2980	.4697	2.1942
2.5	1.9261	1.2226	1.12	.6538	1.5294	.8400	.3176	.8281	.8853	20.7137	72.0405	5.1563	.4751	2.1747
2.5	1.9261	1.2226	1.12	.6538	1.5294	.8700	.3335	.8615	.9226	20.9731	70.6557	5.0145	.4805	2.1552
2.5	1.9261	1.2226	1.12	.6538	1.5294	.9000	.3463	.8953	.9593	21.0459	69.3717	4.8728	.4857	2.1356
2.5	1.9261	1.2226	1.12	.6538	1.5294	.9300	.3564	.9294	.9954	20.9695	68.1738	4.7310	.4909	2.1159
2.5	1.9261	1.2226	1.12	.6538	1.5294	.9600	.3641	.9639	1.0309	20.7707	67.0519	4.5893	.4959	2.0962
2.5	1.9261	1.2226	1.12	.6538	1.5294	.9900	.3695	.9988	1.0661	20.4686	65.9994	4.4476	.5008	2.0764
2.5	1.9261	1.2226	1.12	.6538	1.5294	1.0200	.3728	1.0340	1.1009	20.0778	65.0120	4.3058	.5055	2.0565
2.5	1.9261	1.2226	1.12	.6538	1.5294	1.0500	.3741	1.0696	1.1355	19.6088	64.0878	4.1641	.5100	2.0365
2.5	1.9261	1.2226	1.12	.6538	1.5294	1.0800	.3733	1.1057	1.1699	19.0697	63.2267	4.0223	.5142	2.0165
2.5	1.9261	1.2226	1.12	.6538	1.5294	1.1100	.3707	1.1421	1.2041	18.4661	62.4305	3.8806	.5182	1.9963
2.5	1.9261	1.2226	1.12	.6538	1.5294	1.1400	.3661	1.1790	1.2383	17.8024	61.7031	3.7389	.5219	1.9759
2.5	1.9261	1.2226	1.12	.6538	1.5294	1.1700	.3595	1.2163	1.2725	17.0811	61.0510	3.5971	.5253	1.9555
2.5	1.9261	1.2226	1.12	.6538	1.5294	1.2000	.3510	1.2541	1.3067	16.3037	60.4833	3.4554	.5283	1.9349
2.5	1.9261	1.2226	1.12	.6538	1.5294	1.2300	.3404	1.2925	1.3410	15.4702	60.0136	3.3136	.5309	1.9141
2.5	1.9261	1.2226	1.12	.6538	1.5294	1.2600	.3277	1.3313	1.3756	14.5795	59.6606	3.1719	.5331	1.8931
2.5	1.9261	1.2226	1.12	.6538	1.5294	1.2900	.3128	1.3707	1.4104	13.6291	59.4508	3.0301	.5348	1.8719
2.5	1.9261	1.2226	1.12	.6538	1.5294	1.3200	.2954	1.4107	1.4456	12.6144	59.4225	2.8884	.5359	1.8504
2.5	1.9261	1.2226	1.12	.6538	1.5294	1.3500	.2754	1.4513	1.4812	11.5286	59.6321	2.7467	.5364	1.8286
2.5	1.9261	1.2226	1.12	.6538	1.5294	1.3800	.2523	1.4926	1.5174	10.3610	60.1662	2.6049	.5363	1.8065
2.5	1.9261	1.2226	1.12	.6538	1.5294	1.4100	.2257	1.5347	1.5542	9.0941	61.1651	2.4632	.5354	1.7840
2.5	1.9261	1.2226	1.12	.6538	1.5294	1.4400	.1946	1.5775	1.5918	7.6977	62.8752	2.3214	.5337	1.7610
2.5	1.9261	1.2226	1.12	.6538	1.5294	1.4700	.1574	1.6212	1.6305	6.1101	65.7884	2.1797	.5312	1.7375
2.5	1.9261	1.2226	1.12	.6538	1.5294	1.5000	.1091	1.6659	1.6703	4.1617	71.1636	2.0380	.5277	1.7134
2.5	1.9261	1.2226	1.16	.7210	1.3870	.7300	.0689	.7059	.7091	5.3894	86.2768	5.5528	.4331	2.4243
2.5	1.9261	1.2226	1.16	.7210	1.3870	.7600	.1395	.7380	.7504	10.4024	82.2733	5.4060	.4373	2.4041
2.5	1.9261	1.2226	1.16	.7210	1.3870	.7900	.1804	.7704	.7903	12.8658	79.7547	5.2592	.4413	2.3838
2.5	1.9261	1.2226	1.16	.7210	1.3870	.8200	.2098	.8031	.8290	14.3543	77.7723	5.1124	.4452	2.3635
2.5	1.9261	1.2226	1.16	.7210	1.3870	.8500	.2322	.8361	.8667	15.2781	76.1012	4.9656	.4490	2.3431
2.5	1.9261	1.2226	1.16	.7210	1.3870	.8800	.2494	.8694	.9037	15.8236	74.6458	4.8188	.4526	2.3226
2.5	1.9261	1.2226	1.16	.7210	1.3870	.9100	.2626	.9031	.9399	16.0939	73.3568	4.6720	.4560	2.3021
2.5	1.9261	1.2226	1.16	.7210	1.3870	.9400	.2723	.9370	.9755	16.1530	72.2061	4.5252	.4593	2.2814
2.5	1.9261	1.2226	1.16	.7210	1.3870	.9700	.2789	.9714	1.0107	16.0429	71.1775	4.3784	.4623	2.2607
2.5	1.9261	1.2226	1.16	.7210	1.3870	1.0000	.2828	1.0061	1.0455	15.7924	70.2628	4.2316	.4651	2.2398
2.5	1.9261	1.2226	1.16	.7210	1.3870	1.0300	.2841	1.0411	1.0800	15.4217	69.4594	4.0848	.4676	2.2189
2.5	1.9261	1.2226	1.16	.7210	1.3870	1.0600	.2829	1.0766	1.1143	14.9448	68.7696	3.9380	.4699	2.1978
2.5	1.9261	1.2226	1.16	.7210	1.3870	1.0900	.2793	1.1124	1.1484	14.3714	68.2009	3.7912	.4718	2.1766
2.5	1.9261	1.2226	1.16	.7210	1.3870	1.1200	.2732	1.1487	1.1824	13.7074	67.7666	3.6444	.4734	2.1552
2.5	1.9261	1.2226	1.16	.7210	1.3870	1.1500	.2646	1.1854	1.2164	12.9555	67.4872	3.4976	.4745	2.1336
2.5	1.9261	1.2226	1.16	.7210	1.3870	1.1800	.2533	1.2226	1.2505	12.1149	67.3934	3.3508	.4753	2.1118
2.5	1.9261	1.2226	1.16	.7210	1.3870	1.2100	.2392	1.2603	1.2847	11.1814	67.5305	3.2040	.4756	2.0898
2.5	1.9261	1.2226	1.16	.7210	1.3870	1.2400	.2219	1.2985	1.3191	10.1451	67.9678	3.0571	.4754	2.0675
2.5	1.9261	1.2226	1.16	.7210	1.3870	1.2700	.2009	1.3372	1.3538	8.9878	68.8155	2.9103	.4746	2.0449
2.5	1.9261	1.2226	1.16	.7210	1.3870	1.3000	.1752	1.3765	1.3890	7.6751	70.2630	2.7635	.4732	2.0220
2.5	1.9261	1.2226	1.16	.7210	1.3870	1.3300	.1429	1.4165	1.4247	6.1331	72.6807	2.6167	.4712	1.9986
2.5	1.9261	1.2226	1.16	.7210	1.3870	1.3600	.0987	1.4572	1.4610	4.1521	77.0191	2.4699	.4685	1.9748
2.5	1.9261	1.2226	1.20	.8238	1.2140	.8300	.0431	.8114	.8125	2.9753	87.3391	4.9234	.4219	2.5386
2.5	1.9261	1.2226	1.20	.8238	1.2140	.8600	.0993	.8443	.8499	6.5897	83.6886	4.7715	.4242	2.5173
2.5	1.9261	1.2226	1.20	.8238	1.2140	.8900	.1279	.8775	.8865	8.1765	81.6215	4.6197	.4262	2.4958
2.5	1.9261	1.2226	1.20	.8238	1.2140	.9200	.1461	.9110	.9224	9.0215	80.1151	4.4678	.4280	2.4742
2.5	1.9261	1.2226	1.20	.8238	1.2140	.9500	.1576	.9449	.9578	9.4216	78.9635	4.3159	.4295	2.4525
2.5	1.9261	1.2226	1.20	.8238	1.2140	.9800	.1641	.9791	.9927	9.5064	78.0924	4.1641	.4308	2.4307
2.5	1.9261	1.2226	1.20	.8238	1.2140	1.0100	.1662	1.0136	1.0273	9.3440	77.4773	4.0122	.4317	2.4087
2.5	1.9261	1.2226	1.20	.8238	1.2140	1.0400	.1642	1.0486	1.0616	8.9719	77.1229	3.8603	.4323	2.3866
2.5	1.9261	1.2226	1.20	.8238	1.2140	1.0700	.1581	1.0839	1.0957	8.4073	77.0593	3.7085	.4326	2.3643
2.5	1.9261	1.2226	1.20	.8238	1.2140	1.1000	.1477	1.1196	1.1297	7.6496	77.3497	3.5566	.4325	2.3417
2.5	1.9261	1.2226	1.20	.8238	1.2140	1.1300	.1322	1.1558	1.1637	6.6750	78.1128	3.4048	.4319	2.3190
2.5	1.9261	1.2226	1.20	.8238	1.2140	1.1600	.1099	1.1924	1.1978	5.4125	79.5899	3.2529	.4309	2.2959
2.5	1.9261	1.2226	1.20	.8238	1.2140	1.1900	.0755	1.2295	1.2320	3.6313	82.4296	3.1010	.4294	2.2726

LOOP BRANCH (M1 FROM 1 TO 5)

GAMMA = 1.3

M1	M1*	DELMAX	DEL	XMIN	XMAX	X(M2U*)	Y(M2V*)	M2U	M2	THETA	SIGMA	PR21	PTR21	TR21
3.0	2.0986	1.2876	1.00	.4765	2.0986	.4800	.0709	.4546	.4596	8.4076	87.4904	10.0240	.2830	2.2778
3.0	2.0986	1.2876	1.00	.4765	2.0986	.5100	.2172	.4854	.5276	23.0723	82.2133	9.8567	.2902	2.2558
3.0	2.0986	1.2876	1.00	.4765	2.0986	.5400	.2959	.5165	.5890	28.7241	79.2493	9.6895	.2977	2.2338
3.0	2.0986	1.2876	1.00	.4765	2.0986	.5700	.3552	.5479	.6456	31.9315	76.9176	9.5222	.3054	2.2117
3.0	2.0986	1.2876	1.00	.4765	2.0986	.6000	.4038	.5796	.6986	33.9380	74.9215	9.3550	.3134	2.1897
3.0	2.0986	1.2876	1.00	.4765	2.0986	.6300	.4451	.6117	.7489	35.2395	73.1406	9.1877	.3216	2.1676
3.0	2.0986	1.2876	1.00	.4765	2.0986	.6600	.4810	.6441	.7970	36.0850	71.5123	9.0205	.3300	2.1456
3.0	2.0986	1.2876	1.00	.4765	2.0986	.6900	.5127	.6769	.8433	36.6159	69.9987	8.8532	.3388	2.1235
3.0	2.0986	1.2876	1.00	.4765	2.0986	.7200	.5410	.7100	.8881	36.9195	68.5750	8.6860	.3478	2.1014
3.0	2.0986	1.2876	1.00	.4765	2.0986	.7500	.5663	.7435	.9316	37.0529	67.2239	8.5187	.3571	2.0793
3.0	2.0986	1.2876	1.00	.4765	2.0986	.7800	.5890	.7774	.9741	37.0553	65.9326	8.3515	.3666	2.0572
3.0	2.0986	1.2876	1.00	.4765	2.0986	.8100	.6094	.8117	1.0157	36.9544	64.6915	8.1842	.3765	2.0351
3.0	2.0986	1.2876	1.00	.4765	2.0986	.8400	.6277	.8463	1.0566	36.7703	63.4931	8.0169	.3867	2.0129
3.0	2.0986	1.2876	1.00	.4765	2.0986	.8700	.6442	.8814	1.0968	36.5180	62.3314	7.8497	.3973	1.9908
3.0	2.0986	1.2876	1.00	.4765	2.0986	.9000	.6589	.9169	1.1364	36.2090	61.2013	7.6824	.4081	1.9686
3.0	2.0986	1.2876	1.00	.4765	2.0986	.9300	.6720	.9529	1.1756	35.8521	60.0989	7.5152	.4193	1.9465
3.0	2.0986	1.2876	1.00	.4765	2.0986	.9600	.6836	.9893	1.2145	35.4541	59.0207	7.3479	.4309	1.9243
3.0	2.0986	1.2876	1.00	.4765	2.0986	.9900	.6937	1.0261	1.2530	35.0203	57.9636	7.1807	.4428	1.9021
3.0	2.0986	1.2876	1.00	.4765	2.0986	1.0200	.7025	1.0635	1.2913	34.5552	56.9253	7.0134	.4551	1.8798
3.0	2.0986	1.2876	1.00	.4765	2.0986	1.0500	.7099	1.1013	1.3294	34.0621	55.9032	6.8462	.4677	1.8576
3.0	2.0986	1.2876	1.00	.4765	2.0986	1.0800	.7160	1.1396	1.3673	33.5438	54.8956	6.6789	.4808	1.8353
3.0	2.0986	1.2876	1.00	.4765	2.0986	1.1100	.7209	1.1784	1.4052	33.0023	53.9006	6.5117	.4942	1.8130
3.0	2.0986	1.2876	1.00	.4765	2.0986	1.1400	.7246	1.2178	1.4430	32.4396	52.9166	6.3444	.5081	1.7907
3.0	2.0986	1.2876	1.00	.4765	2.0986	1.1700	.7270	1.2577	1.4808	31.8569	51.9421	6.1772	.5224	1.7684
3.0	2.0986	1.2876	1.00	.4765	2.0986	1.2000	.7283	1.2982	1.5186	31.2553	50.9757	6.0099	.5370	1.7460
3.0	2.0986	1.2876	1.00	.4765	2.0986	1.2300	.7285	1.3393	1.5565	30.6357	50.0161	5.8427	.5521	1.7236
3.0	2.0986	1.2876	1.00	.4765	2.0986	1.2600	.7274	1.3810	1.5946	29.9984	49.0622	5.6754	.5677	1.7012
3.0	2.0986	1.2876	1.00	.4765	2.0986	1.2900	.7252	1.4233	1.6328	29.3440	48.1128	5.5082	.5836	1.6787
3.0	2.0986	1.2876	1.00	.4765	2.0986	1.3200	.7219	1.4662	1.6712	28.6726	47.1669	5.3409	.6000	1.6562
3.0	2.0986	1.2876	1.00	.4765	2.0986	1.3500	.7173	1.5099	1.7098	27.9842	46.2233	5.1737	.6168	1.6336
3.0	2.0986	1.2876	1.00	.4765	2.0986	1.3800	.7116	1.5542	1.7487	27.2786	45.2810	5.0064	.6340	1.6110
3.0	2.0986	1.2876	1.00	.4765	2.0986	1.4100	.7047	1.5993	1.7879	26.5555	44.3390	4.8392	.6516	1.5884
3.0	2.0986	1.2876	1.00	.4765	2.0986	1.4400	.6966	1.6451	1.8275	25.8145	43.3964	4.6719	.6696	1.5657
3.0	2.0986	1.2876	1.00	.4765	2.0986	1.4700	.6872	1.6917	1.8675	25.0549	42.4519	4.5047	.6879	1.5429
3.0	2.0986	1.2876	1.00	.4765	2.0986	1.5000	.6765	1.7392	1.9079	24.2760	41.5047	4.3374	.7066	1.5200
3.0	2.0986	1.2876	1.00	.4765	2.0986	1.5300	.6645	1.7875	1.9488	23.4766	40.5537	4.1702	.7256	1.4971
3.0	2.0986	1.2876	1.00	.4765	2.0986	1.5600	.6511	1.8367	1.9903	22.6558	39.5976	4.0029	.7449	1.4741
3.0	2.0986	1.2876	1.00	.4765	2.0986	1.5900	.6363	1.8869	2.0324	21.8121	38.6355	3.8357	.7644	1.4510
3.0	2.0986	1.2876	1.00	.4765	2.0986	1.6200	.6200	1.9381	2.0752	20.9439	37.6659	3.6684	.7841	1.4277
3.0	2.0986	1.2876	1.00	.4765	2.0986	1.6500	.6022	1.9904	2.1188	20.0492	36.6877	3.5011	.8038	1.4044
3.0	2.0986	1.2876	1.00	.4765	2.0986	1.6800	.5826	2.0437	2.1631	19.1258	35.6995	3.3339	.8235	1.3808
3.0	2.0986	1.2876	1.00	.4765	2.0986	1.7100	.5613	2.0983	2.2084	18.1711	34.6996	3.1666	.8431	1.3571
3.0	2.0986	1.2876	1.00	.4765	2.0986	1.7400	.5380	2.1542	2.2548	17.1821	33.6864	2.9994	.8625	1.3332
3.0	2.0986	1.2876	1.00	.4765	2.0986	1.7700	.5127	2.2114	2.3023	16.1549	32.6580	2.8321	.8815	1.3091
3.0	2.0986	1.2876	1.00	.4765	2.0986	1.8000	.4852	2.2701	2.3512	15.0854	31.6124	2.6649	.8999	1.2847
3.0	2.0986	1.2876	1.00	.4765	2.0986	1.8300	.4552	2.3305	2.4015	13.9681	30.5471	2.4976	.9175	1.2600
3.0	2.0986	1.2876	1.00	.4765	2.0986	1.8600	.4225	2.3927	2.4537	12.7969	29.4595	2.3304	.9342	1.2348
3.0	2.0986	1.2876	1.00	.4765	2.0986	1.8900	.3867	2.4569	2.5078	11.5639	28.3464	2.1631	.9496	1.2092
3.0	2.0986	1.2876	1.00	.4765	2.0986	1.9200	.3475	2.5234	2.5644	10.2594	27.2041	1.9959	.9635	1.1830
3.0	2.0986	1.2876	1.00	.4765	2.0986	1.9500	.3044	2.5926	2.6240	8.8713	26.0282	1.8286	.9755	1.1561
3.0	2.0986	1.2876	1.00	.4765	2.0986	1.9800	.2566	2.6648	2.6871	7.3837	24.8134	1.6614	.9853	1.1281
3.0	2.0986	1.2876	1.00	.4765	2.0986	2.0100	.2033	2.7409	2.7549	5.7762	23.5531	1.4941	.9927	1.0989
3.0	2.0986	1.2876	1.00	.4765	2.0986	2.0400	.1434	2.8217	2.8287	4.0208	22.2390	1.3269	.9974	1.0681
3.0	2.0986	1.2876	1.00	.4765	2.0986	2.0700	.0751	2.9088	2.9107	2.0788	20.8603	1.1596	.9996	1.0349
3.0	2.0986	1.2876	1.04	.5081	1.9679	.5100	.0489	.4839	.4862	5.4820	88.1889	9.7430	.2794	2.4547
3.0	2.0986	1.2876	1.04	.5081	1.9679	.5400	.2005	.5148	.5491	20.3666	82.4765	9.5690	.2859	2.4318
3.0	2.0986	1.2876	1.04	.5081	1.9679	.5700	.2761	.5460	.6067	25.8416	79.4889	9.3951	.2925	2.4088
3.0	2.0986	1.2876	1.04	.5081	1.9679	.6000	.3324	.5775	.6602	28.9837	77.1574	9.2212	.2992	2.3858
3.0	2.0986	1.2876	1.04	.5081	1.9679	.6300	.3781	.6093	.7106	30.9700	75.1688	9.0472	.3062	2.3628
3.0	2.0986	1.2876	1.04	.5081	1.9679	.6600	.4168	.6415	.7587	32.2700	73.3990	8.8733	.3133	2.3398
3.0	2.0986	1.2876	1.04	.5081	1.9679	.6900	.4502	.6740	.8047	33.1209	71.7838	8.6993	.3206	2.3167
3.0	2.0986	1.2876	1.04	.5081	1.9679	.7200	.4794	.7068	.8491	33.6588	70.2847	8.5254	.3281	2.2937
3.0	2.0986	1.2876	1.04	.5081	1.9679	.7500	.5053	.7400	.8922	33.9684	68.8767	8.3515	.3358	2.2706
3.0	2.0986	1.2876	1.04	.5081	1.9679	.7800	.5282	.7735	.9342	34.1056	67.5423	8.1775	.3437	2.2476
3.0	2.0986	1.2876	1.04	.5081	1.9679	.8100	.5486	.8074	.9752	34.1089	66.2687	8.0036	.3518	2.2245
3.0	2.0986	1.2876	1.04	.5081	1.9679	.8400	.5667	.8417	1.0153	34.0056	65.0464	7.8296	.3601	2.2014
3.0	2.0986	1.2876	1.04	.5081	1.9679	.8700	.5828	.8764	1.0548	33.8160	63.8677	7.6557	.3685	2.1782
3.0	2.0986	1.2876	1.04	.5081	1.9679	.9000	.5969	.9114	1.0937	33.5549	62.7269	7.4817	.3772	2.1551
3.0	2.0986	1.2876	1.04	.5081	1.9679	.9300	.6094	.9469	1.1321	33.2338	61.6190	7.3078	.3861	2.1319
3.0	2.0986	1.2876	1.04	.5081	1.9679	.9600	.6201	.9828	1.1701	32.8616	60.5400	7.1339	.3952	2.1087
3.0	2.0986	1.2876	1.04	.5081	1.9679	.9900	.6294	1.0192	1.2077	32.4450	59.4866	6.9599	.4046	2.0855
3.0	2.0986	1.2876	1.04	.5081	1.9679	1.0200	.6371	1.0560	1.2450	31.9896	58.4561	6.7860	.4141	2.0623
3.0	2.0986	1.2876	1.04	.5081	1.9679	1.0500	.6434	1.0932	1.2821	31.4996	57.4459	6.6120	.4238	2.0390
3.0	2.0986	1.2876	1.04	.5081	1.9679	1.0800	.6484	1.1309	1.3191	30.9783	56.4540	6.4381	.4337	2.0157
3.0	2.0986	1.2876	1.04	.5081	1.9679	1.1100	.6520	1.1691	1.3559	30.4287	55.4786	6.2641	.4438	1.9923
3.0	2.0986	1.2876	1.04	.5081	1.9679	1.1400	.6543	1.2078	1.3926	29.8526	54.5183	6.0902	.4542	1.9690
3.0	2.0986	1.2876	1.04	.5081	1.9679	1.1700	.6553	1.2470	1.4293	29.2518	53.5716	5.9163	.4647	1.9456
3.0	2.0986	1.2876	1.04	.5081	1.9679	1.2000	.6550	1.2868	1.4660	28.6275	52.6375	5.7423	.4753	1.9221
3.0	2.0986	1.2876	1.04	.5081	1.9679	1.2300	.6535	1.3271	1.5028	27.9807	51.7149	5.5684	.4862	1.8986
3.0	2.0986	1.2876	1.04	.5081	1.9679	1.2600	.6507	1.3680	1.5396	27.3119	50.8030	5.3944	.4972	1.8751
3.0	2.0986	1.2876	1.04	.5081	1.9679	1.2900	.6466	1.4095	1.5766	26.6215	49.9011	5.2205	.5083	1.8514
3.0	2.0986	1.2876	1.04	.5081	1.9679	1.3200	.6412	1.4515	1.6138	25.9095	49.0088	5.0466	.5195	1.8278
3.0	2.0986	1.2876	1.04	.5081	1.9679	1.3500	.6346	1.4943	1.6511	25.1759	48.1258	4.8726	.5309	1.8040
3.0	2.0986	1.2876	1.04	.5081	1.9679	1.3800	.6266	1.5377	1.6887	24.4203	47.2518	4.6987	.5423	1.7802
3.0	2.0986	1.2876	1.04	.5081	1.9679	1.4100	.6172	1.5817	1.7267	23.6421	46.3869	4.5247	.5537	1.7563
3.0	2.0986	1.2876	1.04	.5081	1.9679	1.4400	.6065	1.6265	1.7649	22.8405	45.5316	4.3508	.5651	1.7323
3.0	2.0986	1.2876	1.04	.5081	1.9679	1.4700	.5943	1.6721	1.8036	22.0145	44.6864	4.1768	.5765	1.7082
3.0	2.0986	1.2876	1.04	.5081	1.9679	1.5000	.5807	1.7184	1.8427	21.1626	43.8524	4.0029	.5877	1.6840
3.0	2.0986	1.2876	1.04	.5081	1.9679	1.5300	.5655	1.7656	1.8824	20.2835	43.0312	3.8290	.5988	1.6597
3.0	2.0986	1.2876	1.04	.5081	1.9679	1.5600	.5486	1.8137	1.9226	19.3750	42.2252	3.6550	.6097	1.6352
3.0	2.0986	1.2876	1.04	.5081	1.9679	1.5900	.5300	1.8627	1.9634	18.4349	41.4378	3.4811	.6202	1.6105
3.0	2.0986	1.2876	1.04	.5081	1.9679	1.6200	.5096	1.9127	2.0050	17.4604	40.6736	3.3071	.6303	1.5856
3.0	2.0986	1.2876	1.04	.5081	1.9679	1.6500	.4871	1.9637	2.0475	16.4483	39.9396	3.1332	.6400	1.5605
3.0	2.0986	1.2876	1.04	.5081	1.9679	1.6800	.4626	2.0159	2.0909	15.3944	39.2456	2.9593	.6490	1.5351
3.0	2.0986	1.2876	1.04	.5081	1.9679	1.7100	.4357	2.0693	2.1354	14.2940	38.6061	2.7853	.6572	1.5094
3.0	2.0986	1.2876	1.04	.5081	1.9679	1.7400	.4062	2.1240	2.1811	13.1413	38.0433	2.6114	.6645	1.4833
3.0	2.0986	1.2876	1.04	.5081	1.9679	1.7700	.3739	2.1802	2.2283	11.9287	37.5920	2.4374	.6708	1.4567
3.0	2.0986	1.2876	1.04	.5081	1.9679	1.8000	.3384	2.2381	2.2773	10.6471	37.3099	2.2635	.6757	1.4296
3.0	2.0986	1.2876	1.04	.5081	1.9679	1.8300	.2992	2.2979	2.3284	9.2841	37.2981	2.0895	.6792	1.4018
3.0	2.0986	1.2876	1.04	.5081	1.9679	1.8600	.2555	2.3598	2.3820	7.8228	37.7522	1.9156	.6810	1.3731
3.0	2.0986	1.2876	1.04	.5081	1.9679	1.8900	.2066	2.4243	2.4387	6.2374	39.1007	1.7417	.6809	1.3433
3.0	2.0986	1.2876	1.04	.5081	1.9679	1.9200	.1504	2.4919	2.4996	4.4800	42.5064	1.5677	.6788	1.3121
3.0	2.0986	1.2876	1.04	.5081	1.9679	1.9500	.0818	2.5635	2.5658	2.4009	52.8422	1.3938	.6743	1.2789

3.0	2.0986	1.2876	1.08	.5431	1.8413	.5500	.0886	.5236	.5303	9.1524	86.5490	9.3884	.2769	2.6301
3.0	2.0986	1.2876	1.08	.5431	1.8413	.5800	.2023	.5547	.5874	19.2246	82.0016	9.2078	.2826	2.6061
3.0	2.0986	1.2876	1.08	.5431	1.8413	.6100	.2687	.5861	.6404	23.7738	79.2059	9.0271	.2884	2.5822
3.0	2.0986	1.2876	1.08	.5431	1.8413	.6400	.3190	.6178	.6902	26.4917	76.9797	8.8465	.2942	2.5582
3.0	2.0986	1.2876	1.08	.5431	1.8413	.6700	.3599	.6498	.7376	28.2437	75.0660	8.6659	.3003	2.5342
3.0	2.0986	1.2876	1.08	.5431	1.8413	.7000	.3944	.6821	.7829	29.3998	73.3564	8.4853	.3064	2.5102
3.0	2.0986	1.2876	1.08	.5431	1.8413	.7300	.4241	.7148	.8266	30.1551	71.7933	8.3046	.3126	2.4862
3.0	2.0986	1.2876	1.08	.5431	1.8413	.7600	.4499	.7478	.8690	30.6245	70.3416	8.1240	.3190	2.4622
3.0	2.0986	1.2876	1.08	.5431	1.8413	.7900	.4725	.7811	.9101	30.8817	68.9783	7.9434	.3254	2.4381
3.0	2.0986	1.2876	1.08	.5431	1.8413	.8200	.4922	.8148	.9503	30.9757	67.6870	7.7627	.3320	2.4140
3.0	2.0986	1.2876	1.08	.5431	1.8413	.8500	.5095	.8489	.9897	30.9411	66.4560	7.5821	.3387	2.3899
3.0	2.0986	1.2876	1.08	.5431	1.8413	.8800	.5246	.8833	1.0284	30.8028	65.2763	7.4015	.3455	2.3658
3.0	2.0986	1.2876	1.08	.5431	1.8413	.9100	.5377	.9181	1.0664	30.5790	64.1409	7.2208	.3524	2.3416
3.0	2.0986	1.2876	1.08	.5431	1.8413	.9400	.5489	.9533	1.1040	30.2836	63.0445	7.0402	.3594	2.3174
3.0	2.0986	1.2876	1.08	.5431	1.8413	.9700	.5584	.9889	1.1411	29.9273	61.9827	6.8596	.3665	2.2932
3.0	2.0986	1.2876	1.08	.5431	1.8413	1.0000	.5662	1.0249	1.1778	29.5181	60.9518	6.6789	.3737	2.2689
3.0	2.0986	1.2876	1.08	.5431	1.8413	1.0300	.5724	1.0614	1.2143	29.0625	59.9492	6.4983	.3810	2.2446
3.0	2.0986	1.2876	1.08	.5431	1.8413	1.0600	.5771	1.0983	1.2505	28.5654	58.9724	6.3177	.3883	2.2202
3.0	2.0986	1.2876	1.08	.5431	1.8413	1.0900	.5803	1.1356	1.2865	28.0309	58.0196	6.1370	.3957	2.1959
3.0	2.0986	1.2876	1.08	.5431	1.8413	1.1200	.5821	1.1734	1.3224	27.4620	57.0894	5.9564	.4031	2.1714
3.0	2.0986	1.2876	1.08	.5431	1.8413	1.1500	.5824	1.2117	1.3583	26.8610	56.1807	5.7758	.4106	2.1469
3.0	2.0986	1.2876	1.08	.5431	1.8413	1.1800	.5814	1.2505	1.3940	26.2297	55.2928	5.5951	.4181	2.1224
3.0	2.0986	1.2876	1.08	.5431	1.8413	1.2100	.5789	1.2898	1.4298	25.5695	54.4252	5.4145	.4256	2.0978
3.0	2.0986	1.2876	1.08	.5431	1.8413	1.2400	.5751	1.3296	1.4656	24.8811	53.5781	5.2339	.4330	2.0731
3.0	2.0986	1.2876	1.08	.5431	1.8413	1.2700	.5698	1.3700	1.5016	24.1651	52.7517	5.0532	.4404	2.0483
3.0	2.0986	1.2876	1.08	.5431	1.8413	1.3000	.5631	1.4109	1.5376	23.4215	51.9469	4.8726	.4478	2.0234
3.0	2.0986	1.2876	1.08	.5431	1.8413	1.3300	.5550	1.4525	1.5739	22.6502	51.1650	4.6920	.4550	1.9985
3.0	2.0986	1.2876	1.08	.5431	1.8413	1.3600	.5454	1.4946	1.6103	21.8506	50.4081	4.5114	.4621	1.9734
3.0	2.0986	1.2876	1.08	.5431	1.8413	1.3900	.5342	1.5375	1.6471	21.0218	49.6789	4.3307	.4689	1.9482
3.0	2.0986	1.2876	1.08	.5431	1.8413	1.4200	.5214	1.5809	1.6841	20.1625	48.9812	4.1501	.4756	1.9229
3.0	2.0986	1.2876	1.08	.5431	1.8413	1.4500	.5070	1.6251	1.7216	19.2712	48.3203	3.9695	.4819	1.8975
3.0	2.0986	1.2876	1.08	.5431	1.8413	1.4800	.4908	1.6701	1.7595	18.3456	47.7032	3.7888	.4880	1.8718
3.0	2.0986	1.2876	1.08	.5431	1.8413	1.5100	.4727	1.7158	1.7980	17.3832	47.1394	3.6082	.4936	1.8459
3.0	2.0986	1.2876	1.08	.5431	1.8413	1.5400	.4527	1.7624	1.8370	16.3807	46.6424	3.4276	.4987	1.8199
3.0	2.0986	1.2876	1.08	.5431	1.8413	1.5700	.4305	1.8099	1.8767	15.3341	46.2306	3.2469	.5032	1.7935
3.0	2.0986	1.2876	1.08	.5431	1.8413	1.6000	.4060	1.8584	1.9173	14.2382	45.9309	3.0663	.5071	1.7668
3.0	2.0986	1.2876	1.08	.5431	1.8413	1.6300	.3789	1.9079	1.9587	13.0866	45.7830	2.8857	.5102	1.7398
3.0	2.0986	1.2876	1.08	.5431	1.8413	1.6600	.3489	1.9585	2.0013	11.8707	45.8476	2.7050	.5125	1.7123
3.0	2.0986	1.2876	1.08	.5431	1.8413	1.6900	.3156	2.0104	2.0452	10.5791	46.2232	2.5244	.5137	1.6843
3.0	2.0986	1.2876	1.08	.5431	1.8413	1.7200	.2784	2.0638	2.0906	9.1951	47.0795	2.3438	.5138	1.6556
3.0	2.0986	1.2876	1.08	.5431	1.8413	1.7500	.2364	2.1187	2.1379	7.6922	48.7377	2.1631	.5126	1.6261
3.0	2.0986	1.2876	1.08	.5431	1.8413	1.7800	.1877	2.1755	2.1876	6.0209	51.8971	1.9825	.5099	1.5956
3.0	2.0986	1.2876	1.08	.5431	1.8413	1.8100	.1282	2.2345	2.2401	4.0528	58.5165	1.8019	.5057	1.5639
3.0	2.0986	1.2876	1.08	.5431	1.8413	1.8400	.0243	2.2963	2.2965	.7562	82.2908	1.6212	.4997	1.5304
3.0	2.0986	1.2876	1.12	.5825	1.7167	.5900	.0860	.5634	.5694	8.2952	86.4664	9.0160	.2732	2.8112
3.0	2.0986	1.2876	1.12	.5825	1.7167	.6200	.1896	.5947	.6219	17.0003	82.0827	8.8287	.2780	2.7862
3.0	2.0986	1.2876	1.12	.5825	1.7167	.6500	.2504	.6263	.6711	21.0710	79.3598	8.6414	.2829	2.7613
3.0	2.0986	1.2876	1.12	.5825	1.7167	.6800	.2962	.6582	.7179	23.5409	77.1912	8.4540	.2879	2.7363
3.0	2.0986	1.2876	1.12	.5825	1.7167	.7100	.3333	.6904	.7626	25.1454	75.3294	8.2667	.2929	2.7113
3.0	2.0986	1.2876	1.12	.5825	1.7167	.7400	.3642	.7229	.8057	26.2051	73.6694	8.0794	.2980	2.6863
3.0	2.0986	1.2876	1.12	.5825	1.7167	.7700	.3905	.7557	.8473	26.8917	72.1553	7.8921	.3032	2.6612
3.0	2.0986	1.2876	1.12	.5825	1.7167	.8000	.4131	.7889	.8878	27.3082	70.7532	7.7047	.3084	2.6362
3.0	2.0986	1.2876	1.12	.5825	1.7167	.8300	.4325	.8224	.9273	27.5210	69.4407	7.5174	.3136	2.6110
3.0	2.0986	1.2876	1.12	.5825	1.7167	.8600	.4491	.8562	.9660	27.5752	68.2023	7.3301	.3189	2.5859
3.0	2.0986	1.2876	1.12	.5825	1.7167	.8900	.4634	.8905	1.0039	27.5027	67.0268	7.1428	.3242	2.5607
3.0	2.0986	1.2876	1.12	.5825	1.7167	.9200	.4754	.9250	1.0412	27.3265	65.9057	6.9555	.3296	2.5355
3.0	2.0986	1.2876	1.12	.5825	1.7167	.9500	.4854	.9600	1.0780	27.0637	64.8329	6.7681	.3349	2.5102
3.0	2.0986	1.2876	1.12	.5825	1.7167	.9800	.4935	.9953	1.1144	26.7273	63.8035	6.5808	.3403	2.4849
3.0	2.0986	1.2876	1.12	.5825	1.7167	1.0100	.4998	1.0311	1.1504	26.3271	62.8138	6.3935	.3456	2.4596
3.0	2.0986	1.2876	1.12	.5825	1.7167	1.0400	.5043	1.0672	1.1861	25.8709	61.8613	6.2062	.3509	2.4342
3.0	2.0986	1.2876	1.12	.5825	1.7167	1.0700	.5073	1.1038	1.2216	25.3645	60.9441	6.0188	.3562	2.4087
3.0	2.0986	1.2876	1.12	.5825	1.7167	1.1000	.5086	1.1408	1.2569	24.8125	60.0609	5.8315	.3614	2.3831
3.0	2.0986	1.2876	1.12	.5825	1.7167	1.1300	.5083	1.1783	1.2920	24.2182	59.2113	5.6442	.3666	2.3575
3.0	2.0986	1.2876	1.12	.5825	1.7167	1.1600	.5064	1.2162	1.3271	23.5843	58.3956	5.4569	.3716	2.3318
3.0	2.0986	1.2876	1.12	.5825	1.7167	1.1900	.5030	1.2546	1.3621	22.9127	57.6145	5.2696	.3766	2.3061
3.0	2.0986	1.2876	1.12	.5825	1.7167	1.2200	.4980	1.2935	1.3971	22.2043	56.8698	5.0822	.3814	2.2802
3.0	2.0986	1.2876	1.12	.5825	1.7167	1.2500	.4914	1.3330	1.4322	21.4600	56.1641	4.8949	.3861	2.2542
3.0	2.0986	1.2876	1.12	.5825	1.7167	1.2800	.4832	1.3729	1.4675	20.6796	55.5012	4.7076	.3905	2.2281
3.0	2.0986	1.2876	1.12	.5825	1.7167	1.3100	.4732	1.4134	1.5028	19.8627	54.8862	4.5203	.3947	2.2019
3.0	2.0986	1.2876	1.12	.5825	1.7167	1.3400	.4616	1.4545	1.5384	19.0083	54.3260	4.3329	.3986	2.1755
3.0	2.0986	1.2876	1.12	.5825	1.7167	1.3700	.4482	1.4963	1.5743	18.1146	53.8300	4.1456	.4023	2.1489
3.0	2.0986	1.2876	1.12	.5825	1.7167	1.4000	.4328	1.5386	1.6105	17.1793	53.4108	3.9583	.4055	2.1222
3.0	2.0986	1.2876	1.12	.5825	1.7167	1.4300	.4154	1.5817	1.6471	16.1993	53.0858	3.7710	.4083	2.0952
3.0	2.0986	1.2876	1.12	.5825	1.7167	1.4600	.3959	1.6255	1.6842	15.1703	52.8789	3.5837	.4107	2.0680
3.0	2.0986	1.2876	1.12	.5825	1.7167	1.4900	.3739	1.6700	1.7218	14.0868	52.8241	3.3963	.4125	2.0405
3.0	2.0986	1.2876	1.12	.5825	1.7167	1.5200	.3493	1.7154	1.7601	12.9412	52.9712	3.2090	.4137	2.0126
3.0	2.0986	1.2876	1.12	.5825	1.7167	1.5500	.3216	1.7617	1.7992	11.7231	53.3956	3.0217	.4142	1.9843
3.0	2.0986	1.2876	1.12	.5825	1.7167	1.5800	.2905	1.8090	1.8393	10.4174	54.2176	2.8344	.4139	1.9555
3.0	2.0986	1.2876	1.12	.5825	1.7167	1.6100	.2550	1.8573	1.8804	9.0000	55.6433	2.6471	.4127	1.9262
3.0	2.0986	1.2876	1.12	.5825	1.7167	1.6400	.2138	1.9068	1.9230	7.4285	58.0620	2.4597	.4106	1.8961
3.0	2.0986	1.2876	1.12	.5825	1.7167	1.6700	.1640	1.9578	1.9672	5.6095	62.3451	2.2724	.4073	1.8652
3.0	2.0986	1.2876	1.12	.5825	1.7167	1.7000	.0957	2.0103	2.0135	3.2206	71.3252	2.0851	.4029	1.8331

3.0	2.0986	1.2876	1.16	.6283	1.5917	.6300	.0381	.6034	.6045	3.4574	88.3465	8.6257	.2681	2.9979
3.0	2.0986	1.2876	1.16	.6283	1.5917	.6600	.1602	.6348	.6533	13.6421	82.9137	8.4317	.2721	2.9719
3.0	2.0986	1.2876	1.16	.6283	1.5917	.6900	.2194	.6666	.6995	17.6400	80.1106	8.2377	.2761	2.9459
3.0	2.0986	1.2876	1.16	.6283	1.5917	.7200	.2625	.6987	.7437	20.0302	77.9395	8.0437	.2802	2.9199
3.0	2.0986	1.2876	1.16	.6283	1.5917	.7500	.2966	.7311	.7862	21.5740	76.1025	7.8497	.2843	2.8939
3.0	2.0986	1.2876	1.16	.6283	1.5917	.7800	.3245	.7638	.8272	22.5861	74.4819	7.6557	.2883	2.8678
3.0	2.0986	1.2876	1.16	.6283	1.5917	.8100	.3477	.7968	.8671	23.2325	73.0173	7.4617	.2924	2.8417
3.0	2.0986	1.2876	1.16	.6283	1.5917	.8400	.3672	.8301	.9060	23.6120	71.6728	7.2677	.2964	2.8155
3.0	2.0986	1.2876	1.16	.6283	1.5917	.8700	.3835	.8638	.9440	23.7884	70.4256	7.0736	.3005	2.7893
3.0	2.0986	1.2876	1.16	.6283	1.5917	.9000	.3970	.8978	.9813	23.8049	69.2603	6.8796	.3044	2.7631
3.0	2.0986	1.2876	1.16	.6283	1.5917	.9300	.4081	.9322	1.0180	23.6920	68.1659	6.6856	.3084	2.7367
3.0	2.0986	1.2876	1.16	.6283	1.5917	.9600	.4169	.9669	1.0542	23.4720	67.1350	6.4916	.3123	2.7104
3.0	2.0986	1.2876	1.16	.6283	1.5917	.9900	.4235	1.0021	1.0899	23.1611	66.1622	6.2976	.3161	2.6839
3.0	2.0986	1.2876	1.16	.6283	1.5917	1.0200	.4282	1.0376	1.1253	22.7716	65.2441	6.1036	.3198	2.6574
3.0	2.0986	1.2876	1.16	.6283	1.5917	1.0500	.4309	1.0735	1.1603	22.3129	64.3789	5.9096	.3234	2.6308
3.0	2.0986	1.2876	1.16	.6283	1.5917	1.0800	.4318	1.1098	1.1952	21.7918	63.5658	5.7156	.3269	2.6042
3.0	2.0986	1.2876	1.16	.6283	1.5917	1.1100	.4308	1.1465	1.2298	21.2136	62.8055	5.5216	.3303	2.5774
3.0	2.0986	1.2876	1.16	.6283	1.5917	1.1400	.4281	1.1837	1.2644	20.5821	62.1002	5.3275	.3335	2.5505
3.0	2.0986	1.2876	1.16	.6283	1.5917	1.1700	.4235	1.2213	1.2989	19.8998	61.4534	5.1335	.3365	2.5236
3.0	2.0986	1.2876	1.16	.6283	1.5917	1.2000	.4171	1.2594	1.3333	19.1681	60.8704	4.9395	.3393	2.4965
3.0	2.0986	1.2876	1.16	.6283	1.5917	1.2300	.4089	1.2980	1.3678	18.3875	60.3586	4.7455	.3419	2.4692
3.0	2.0986	1.2876	1.16	.6283	1.5917	1.2600	.3987	1.3371	1.4024	17.5576	59.9285	4.5515	.3441	2.4418
3.0	2.0986	1.2876	1.16	.6283	1.5917	1.2900	.3864	1.3767	1.4372	16.6768	59.5941	4.3575	.3461	2.4142
3.0	2.0986	1.2876	1.16	.6283	1.5917	1.3200	.3721	1.4169	1.4721	15.7424	59.3746	4.1635	.3477	2.3864
3.0	2.0986	1.2876	1.16	.6283	1.5917	1.3500	.3554	1.4577	1.5074	14.7501	59.2967	3.9695	.3489	2.3584
3.0	2.0986	1.2876	1.16	.6283	1.5917	1.3800	.3363	1.4991	1.5430	13.6940	59.3980	3.7754	.3497	2.3300
3.0	2.0986	1.2876	1.16	.6283	1.5917	1.4100	.3143	1.5412	1.5790	12.5652	59.7333	3.5814	.3500	2.3014
3.0	2.0986	1.2876	1.16	.6283	1.5917	1.4400	.2891	1.5840	1.6156	11.3504	60.3854	3.3874	.3497	2.2724
3.0	2.0986	1.2876	1.16	.6283	1.5917	1.4700	.2600	1.6276	1.6528	10.0290	61.4864	3.1934	.3488	2.2430
3.0	2.0986	1.2876	1.16	.6283	1.5917	1.5000	.2259	1.6720	1.6909	8.5660	63.2639	2.9994	.3473	2.2131
3.0	2.0986	1.2876	1.16	.6283	1.5917	1.5300	.1849	1.7173	1.7298	6.8918	66.1618	2.8054	.3450	2.1825
3.0	2.0986	1.2876	1.16	.6283	1.5917	1.5600	.1317	1.7637	1.7700	4.8254	71.2760	2.6114	.3419	2.1513
3.0	2.0986	1.2876	1.16	.6283	1.5917	1.5900	.0299	1.8112	1.8115	1.0776	85.2318	2.4174	.3378	2.1191
3.0	2.0986	1.2876	1.20	.6840	1.4619	.6900	.0630	.6646	.6673	5.2163	87.6582	8.0838	.2638	3.1721
3.0	2.0986	1.2876	1.20	.6840	1.4619	.7200	.1514	.6964	.7117	11.8735	82.7850	7.8831	.2670	3.1451
3.0	2.0986	1.2876	1.20	.6840	1.4619	.7500	.2004	.7286	.7542	14.9606	80.2457	7.6824	.2702	3.1180
3.0	2.0986	1.2876	1.20	.6840	1.4619	.7800	.2360	.7611	.7952	16.8372	78.2594	7.4817	.2733	3.0909
3.0	2.0986	1.2876	1.20	.6840	1.4619	.8100	.2638	.7938	.8349	18.0393	76.5821	7.2810	.2763	3.0637
3.0	2.0986	1.2876	1.20	.6840	1.4619	.8400	.2860	.8269	.8735	18.8016	75.1129	7.0803	.2793	3.0365
3.0	2.0986	1.2876	1.20	.6840	1.4619	.8700	.3038	.8603	.9113	19.2516	73.7992	6.8796	.2822	3.0092
3.0	2.0986	1.2876	1.20	.6840	1.4619	.9000	.3181	.8941	.9483	19.4671	72.6103	6.6789	.2850	2.9818
3.0	2.0986	1.2876	1.20	.6840	1.4619	.9300	.3293	.9281	.9846	19.4992	71.5273	6.4782	.2877	2.9544
3.0	2.0986	1.2876	1.20	.6840	1.4619	.9600	.3377	.9626	1.0204	19.3828	70.5381	6.2775	.2904	2.9269
3.0	2.0986	1.2876	1.20	.6840	1.4619	.9900	.3436	.9974	1.0557	19.1426	69.6355	6.0768	.2929	2.8993
3.0	2.0986	1.2876	1.20	.6840	1.4619	1.0200	.3472	1.0325	1.0907	18.7963	68.8160	5.8761	.2952	2.8716
3.0	2.0986	1.2876	1.20	.6840	1.4619	1.0500	.3484	1.0681	1.1254	18.3569	68.0789	5.6754	.2974	2.8438
3.0	2.0986	1.2876	1.20	.6840	1.4619	1.0800	.3475	1.1040	1.1598	17.8337	67.4264	5.4747	.2994	2.8159
3.0	2.0986	1.2876	1.20	.6840	1.4619	1.1100	.3443	1.1404	1.1940	17.2330	66.8635	5.2740	.3012	2.7878
3.0	2.0986	1.2876	1.20	.6840	1.4619	1.1400	.3390	1.1772	1.2281	16.5588	66.3984	5.0733	.3028	2.7597
3.0	2.0986	1.2876	1.20	.6840	1.4619	1.1700	.3314	1.2144	1.2622	15.8131	66.0435	4.8726	.3041	2.7313
3.0	2.0986	1.2876	1.20	.6840	1.4619	1.2000	.3214	1.2521	1.2962	14.9956	65.8163	4.6719	.3052	2.7028
3.0	2.0986	1.2876	1.20	.6840	1.4619	1.2300	.3090	1.2903	1.3304	14.1039	65.7415	4.4712	.3059	2.6741
3.0	2.0986	1.2876	1.20	.6840	1.4619	1.2600	.2940	1.3290	1.3647	13.1328	65.8544	4.2705	.3063	2.6451
3.0	2.0986	1.2876	1.20	.6840	1.4619	1.2900	.2759	1.3682	1.3991	12.0732	66.2062	4.0698	.3063	2.6159
3.0	2.0986	1.2876	1.20	.6840	1.4619	1.3200	.2544	1.4080	1.4339	10.9103	66.8743	3.8691	.3059	2.5863
3.0	2.0986	1.2876	1.20	.6840	1.4619	1.3500	.2288	1.4484	1.4690	9.6190	67.9820	3.6684	.3050	2.5565
3.0	2.0986	1.2876	1.20	.6840	1.4619	1.3800	.1977	1.4894	1.5046	8.1537	69.7442	3.4677	.3036	2.5262
3.0	2.0986	1.2876	1.20	.6840	1.4619	1.4100	.1586	1.5311	1.5408	6.4164	72.5934	3.2670	.3016	2.4954
3.0	2.0986	1.2876	1.20	.6840	1.4619	1.4400	.1035	1.5736	1.5777	4.1094	77.7321	3.0663	.2990	2.4640
3.0	2.0986	1.2876	1.24	.7587	1.3180	.7600	.0245	.7370	.7374	1.8485	88.7506	7.4461	.2579	3.3408
3.0	2.0986	1.2876	1.24	.7587	1.3180	.7900	.1182	.7694	.7780	8.5110	83.8359	7.2387	.2602	3.3126
3.0	2.0986	1.2876	1.24	.7587	1.3180	.8200	.1603	.8020	.8172	11.0608	81.4376	7.0313	.2623	3.2843
3.0	2.0986	1.2876	1.24	.7587	1.3180	.8500	.1891	.8350	.8554	12.5441	79.6409	6.8239	.2643	3.2560
3.0	2.0986	1.2876	1.24	.7587	1.3180	.8800	.2103	.8683	.8927	13.4386	78.1785	6.6165	.2662	3.2275
3.0	2.0986	1.2876	1.24	.7587	1.3180	.9100	.2259	.9019	.9292	13.9435	76.9484	6.4091	.2679	3.1990
3.0	2.0986	1.2876	1.24	.7587	1.3180	.9400	.2372	.9358	.9651	14.1649	75.9017	6.2017	.2696	3.1704
3.0	2.0986	1.2876	1.24	.7587	1.3180	.9700	.2448	.9701	1.0005	14.1666	75.0134	5.9943	.2710	3.1417
3.0	2.0986	1.2876	1.24	.7587	1.3180	1.0000	.2491	1.0047	1.0354	13.9891	74.2719	5.7869	.2723	3.1128
3.0	2.0986	1.2876	1.24	.7587	1.3180	1.0300	.2503	1.0397	1.0699	13.6592	73.6753	5.5795	.2734	3.0838
3.0	2.0986	1.2876	1.24	.7587	1.3180	1.0600	.2485	1.0751	1.1042	13.1942	73.2295	5.3721	.2743	3.0547
3.0	2.0986	1.2876	1.24	.7587	1.3180	1.0900	.2437	1.1108	1.1382	12.6040	72.9485	5.1647	.2750	3.0254
3.0	2.0986	1.2876	1.24	.7587	1.3180	1.1200	.2359	1.1470	1.1721	11.8926	72.8563	4.9574	.2754	2.9959
3.0	2.0986	1.2876	1.24	.7587	1.3180	1.1500	.2247	1.1836	1.2060	11.0572	72.9906	4.7500	.2755	2.9663
3.0	2.0986	1.2876	1.24	.7587	1.3180	1.1800	.2099	1.2206	1.2398	10.0874	73.4102	4.5426	.2753	2.9363
3.0	2.0986	1.2876	1.24	.7587	1.3180	1.2100	.1908	1.2581	1.2737	8.9598	74.2098	4.3352	.2748	2.9062
3.0	2.0986	1.2876	1.24	.7587	1.3180	1.2400	.1660	1.2962	1.3077	7.6267	75.5561	4.1278	.2738	2.8757
3.0	2.0986	1.2876	1.24	.7587	1.3180	1.2700	.1330	1.3347	1.3420	5.9783	77.7904	3.9204	.2725	2.8449
3.0	2.0986	1.2876	1.24	.7587	1.3180	1.3000	.0829	1.3738	1.3766	3.6488	81.9293	3.7130	.2708	2.8136
3.0	2.0986	1.2876	1.28	.8970	1.1148	.9000	.0230	.8875	.8878	1.4615	88.6226	6.2775	.2513	3.4432
3.0	2.0986	1.2876	1.28	.8970	1.1148	.9300	.0706	.9211	.9237	4.3404	85.6360	6.0634	.2520	3.4134
3.0	2.0986	1.2876	1.28	.8970	1.1148	.9600	.0889	.9550	.9591	5.2918	84.3260	5.8494	.2526	3.3834
3.0	2.0986	1.2876	1.28	.8970	1.1148	.9900	.0966	.9892	.9939	5.5723	83.6283	5.6353	.2529	3.3533
3.0	2.0986	1.2876	1.28	.8970	1.1148	1.0200	.0964	1.0238	1.0284	5.3966	83.4169	5.4212	.2531	3.3231
3.0	2.0986	1.2876	1.28	.8970	1.1148	1.0500	.0884	1.0588	1.0625	4.8122	83.7331	5.2071	.2530	3.2926
3.0	2.0986	1.2876	1.28	.8970	1.1148	1.0800	.0704	1.0942	1.0965	3.7322	84.8056	4.9930	.2526	3.2620
3.0	2.0986	1.2876	1.28	.8970	1.1148	1.1100	.0281	1.1299	1.1303	1.4481	87.8429	4.7790	.2519	3.2311

LOOP 8RANCH (M1 FROM 1 TO 5)

GAMMA = 1.3

M1	M1*	DELMAX	DEL	XMIN	XMAX	X(M2U*)	Y(M2V*)	M2U	M2	THETA	SIGMA	PR21	PTR21	TR21
3.5	2.2282	1.3385	1.00	.4488	2.2282	.4500	.0443	.4253	.4274	5.6226	88.5728	13.7088	.1679	2.7618
3.5	2.2282	1.3385	1.00	.4488	2.2282	.4800	.2237	.4560	.5031	24.9829	82.7095	13.4944	.1728	2.7337
3.5	2.2282	1.3385	1.00	.4488	2.2282	.5100	.3103	.4870	.5701	31.3184	79.7626	13.2800	.1779	2.7056
3.5	2.2282	1.3385	1.00	.4488	2.2282	.5400	.3752	.5184	.6312	34.7922	77.4696	13.0656	.1831	2.6775
3.5	2.2282	1.3385	1.00	.4488	2.2282	.5700	.4283	.5501	.6881	36.9238	75.5161	12.8511	.1885	2.6493
3.5	2.2282	1.3385	1.00	.4488	2.2282	.6000	.4737	.5821	.7417	38.2907	73.7784	12.6367	.1941	2.6212
3.5	2.2282	1.3385	1.00	.4488	2.2282	.6300	.5133	.6145	.7927	39.1738	72.1929	12.4223	.2000	2.5931
3.5	2.2282	1.3385	1.00	.4488	2.2282	.6600	.5485	.6473	.8417	39.7289	70.7216	12.2079	.2061	2.5649
3.5	2.2282	1.3385	1.00	.4488	2.2282	.6900	.5800	.6805	.8890	40.0505	69.3396	11.9935	.2124	2.5368
3.5	2.2282	1.3385	1.00	.4488	2.2282	.7200	.6084	.7141	.9349	40.1996	68.0296	11.7791	.2189	2.5086
3.5	2.2282	1.3385	1.00	.4488	2.2282	.7500	.6342	.7480	.9796	40.2173	66.7790	11.5647	.2257	2.4805
3.5	2.2282	1.3385	1.00	.4488	2.2282	.7800	.6576	.7824	1.0233	40.1326	65.5784	11.3503	.2327	2.4523
3.5	2.2282	1.3385	1.00	.4488	2.2282	.8100	.6789	.8172	1.0663	39.9663	64.4203	11.1358	.2401	2.4241
3.5	2.2282	1.3385	1.00	.4488	2.2282	.8400	.6982	.8524	1.1085	39.7338	63.2987	10.9214	.2477	2.3959
3.5	2.2282	1.3385	1.00	.4488	2.2282	.8700	.7158	.8881	1.1501	39.4468	62.2088	10.7070	.2556	2.3677
3.5	2.2282	1.3385	1.00	.4488	2.2282	.9000	.7318	.9243	1.1912	39.1142	61.1467	10.4926	.2638	2.3395
3.5	2.2282	1.3385	1.00	.4488	2.2282	.9300	.7462	.9609	1.2320	38.7430	60.1088	10.2782	.2724	2.3113
3.5	2.2282	1.3385	1.00	.4488	2.2282	.9600	.7592	.9980	1.2724	38.3386	59.0925	10.0638	.2813	2.2831
3.5	2.2282	1.3385	1.00	.4488	2.2282	.9900	.7708	1.0356	1.3125	37.9054	58.0951	9.8494	.2906	2.2548
3.5	2.2282	1.3385	1.00	.4488	2.2282	1.0200	.7812	1.0737	1.3525	37.4468	57.1145	9.6349	.3002	2.2266
3.5	2.2282	1.3385	1.00	.4488	2.2282	1.0500	.7902	1.1124	1.3922	36.9656	56.1488	9.4205	.3102	2.1983
3.5	2.2282	1.3385	1.00	.4488	2.2282	1.0800	.7981	1.1516	1.4319	36.4641	55.1963	9.2061	.3207	2.1701
3.5	2.2282	1.3385	1.00	.4488	2.2282	1.1100	.8048	1.1914	1.4716	35.9441	54.2554	8.9917	.3315	2.1418
3.5	2.2282	1.3385	1.00	.4488	2.2282	1.1400	.8104	1.2318	1.5113	35.4071	53.3248	8.7773	.3428	2.1135
3.5	2.2282	1.3385	1.00	.4488	2.2282	1.1700	.8148	1.2727	1.5510	34.8542	52.4031	8.5629	.3546	2.0851
3.5	2.2282	1.3385	1.00	.4488	2.2282	1.2000	.8182	1.3143	1.5908	34.2863	51.4892	8.3485	.3668	2.0568
3.5	2.2282	1.3385	1.00	.4488	2.2282	1.2300	.8204	1.3566	1.6307	33.7042	50.5819	8.1341	.3796	2.0284
3.5	2.2282	1.3385	1.00	.4488	2.2282	1.2600	.8216	1.3995	1.6707	33.1083	49.6803	7.9196	.3928	2.0001
3.5	2.2282	1.3385	1.00	.4488	2.2282	1.2900	.8218	1.4431	1.7110	32.4990	48.7834	7.7052	.4066	1.9717
3.5	2.2282	1.3385	1.00	.4488	2.2282	1.3200	.8209	1.4874	1.7516	31.8767	47.8902	7.4908	.4210	1.9432
3.5	2.2282	1.3385	1.00	.4488	2.2282	1.3500	.8189	1.5325	1.7924	31.2412	46.9998	7.2764	.4359	1.9148
3.5	2.2282	1.3385	1.00	.4488	2.2282	1.3800	.8159	1.5783	1.8335	30.5928	46.1113	7.0620	.4515	1.8863
3.5	2.2282	1.3385	1.00	.4488	2.2282	1.4100	.8118	1.6250	1.8750	29.9311	45.2239	6.8476	.4676	1.8578
3.5	2.2282	1.3385	1.00	.4488	2.2282	1.4400	.8066	1.6724	1.9169	29.2561	44.3366	6.6332	.4844	1.8292
3.5	2.2282	1.3385	1.00	.4488	2.2282	1.4700	.8004	1.7208	1.9593	28.5672	43.4488	6.4187	.5019	1.8006
3.5	2.2282	1.3385	1.00	.4488	2.2282	1.5000	.7930	1.7700	2.0022	27.8642	42.5595	6.2043	.5200	1.7720
3.5	2.2282	1.3385	1.00	.4488	2.2282	1.5300	.7845	1.8202	2.0455	27.1463	41.6678	5.9899	.5388	1.7433
3.5	2.2282	1.3385	1.00	.4488	2.2282	1.5600	.7748	1.8714	2.0895	26.4129	40.7728	5.7755	.5583	1.7146
3.5	2.2282	1.3385	1.00	.4488	2.2282	1.5900	.7640	1.9236	2.1341	25.6633	39.8737	5.5611	.5785	1.6858
3.5	2.2282	1.3385	1.00	.4488	2.2282	1.6200	.7519	1.9769	2.1794	24.8963	38.9694	5.3467	.5994	1.6570
3.5	2.2282	1.3385	1.00	.4488	2.2282	1.6500	.7385	2.0313	2.2254	24.1110	38.0590	5.1323	.6210	1.6281
3.5	2.2282	1.3385	1.00	.4488	2.2282	1.6800	.7237	2.0869	2.2723	23.3059	37.1414	4.9179	.6432	1.5990
3.5	2.2282	1.3385	1.00	.4488	2.2282	1.7100	.7076	2.1437	2.3200	22.4797	36.2154	4.7034	.6661	1.5700
3.5	2.2282	1.3385	1.00	.4488	2.2282	1.7400	.6900	2.2019	2.3687	21.6305	35.2799	4.4890	.6897	1.5408
3.5	2.2282	1.3385	1.00	.4488	2.2282	1.7700	.6708	2.2615	2.4185	20.7564	34.3334	4.2746	.7137	1.5114
3.5	2.2282	1.3385	1.00	.4488	2.2282	1.8000	.6500	2.3226	2.4694	19.8549	33.3746	4.0602	.7383	1.4820
3.5	2.2282	1.3385	1.00	.4488	2.2282	1.8300	.6274	2.3852	2.5215	18.9233	32.4017	3.8458	.7632	1.4524
3.5	2.2282	1.3385	1.00	.4488	2.2282	1.8600	.6029	2.4496	2.5751	17.9584	31.4131	3.6314	.7884	1.4226
3.5	2.2282	1.3385	1.00	.4488	2.2282	1.8900	.5763	2.5158	2.6301	16.9562	30.4066	3.4170	.8137	1.3925
3.5	2.2282	1.3385	1.00	.4488	2.2282	1.9200	.5474	2.5840	2.6870	15.9122	29.3799	3.2026	.8389	1.3622
3.5	2.2282	1.3385	1.00	.4488	2.2282	1.9500	.5160	2.6544	2.7457	14.8208	28.3304	2.9881	.8638	1.3316
3.5	2.2282	1.3385	1.00	.4488	2.2282	1.9800	.4818	2.7271	2.8067	13.6750	27.2550	2.7737	.8880	1.3006
3.5	2.2282	1.3385	1.00	.4488	2.2282	2.0100	.4444	2.8026	2.8703	12.4663	26.1500	2.5593	.9111	1.2691
3.5	2.2282	1.3385	1.00	.4488	2.2282	2.0400	.4033	2.8811	2.9369	11.1840	25.0109	2.3449	.9328	1.2370
3.5	2.2282	1.3385	1.00	.4488	2.2282	2.0700	.3581	2.9631	3.0071	9.8141	23.8326	2.1305	.9524	1.2042
3.5	2.2282	1.3385	1.00	.4488	2.2282	2.1000	.3078	3.0493	3.0819	8.3383	22.6083	1.9161	.9694	1.1703
3.5	2.2282	1.3385	1.00	.4488	2.2282	2.1300	.2514	3.1406	3.1624	6.7319	21.3296	1.7017	.9832	1.1350
3.5	2.2282	1.3385	1.00	.4488	2.2282	2.1600	.1875	3.2384	3.2506	4.9598	19.9858	1.4872	.9929	1.0977
3.5	2.2282	1.3385	1.00	.4488	2.2282	2.1900	.1137	3.3450	3.3495	2.9715	18.5620	1.2728	.9984	1.0576
3.5	2.2282	1.3385	1.00	.4488	2.2282	2.2200	.0267	3.4644	3.4646	.6883	17.0379	1.0584	1.0000	1.0132
3.5	2.2282	1.3385	1.04	.4768	2.0972	.4800	.0685	.4546	.4592	8.1248	87.6984	13.3572	.1666	2.9749
3.5	2.2282	1.3385	1.04	.4768	2.0972	.5100	.2195	.4854	.5285	23.2821	82.5355	13.1342	.1710	2.9456
3.5	2.2282	1.3385	1.04	.4768	2.0972	.5400	.2997	.5166	.5908	29.0330	79.6729	12.9112	.1755	2.9163
3.5	2.2282	1.3385	1.04	.4768	2.0972	.5700	.3602	.5480	.6483	32.2895	77.4264	12.6882	.1802	2.8870
3.5	2.2282	1.3385	1.04	.4768	2.0972	.6000	.4097	.5798	.7021	34.3268	75.5062	12.4652	.1850	2.8577
3.5	2.2282	1.3385	1.04	.4768	2.0972	.6300	.4519	.6120	.7531	35.6507	73.7953	12.2422	.1900	2.8284
3.5	2.2282	1.3385	1.04	.4768	2.0972	.6600	.4886	.6444	.8018	36.5141	72.2330	12.0192	.1952	2.7991
3.5	2.2282	1.3385	1.04	.4768	2.0972	.6900	.5211	.6773	.8487	37.0603	70.7826	11.7962	.2005	2.7698
3.5	2.2282	1.3385	1.04	.4768	2.0972	.7200	.5500	.7105	.8941	37.3777	69.4200	11.5732	.2060	2.7404
3.5	2.2282	1.3385	1.04	.4768	2.0972	.7500	.5760	.7441	.9382	37.5241	68.1286	11.3503	.2117	2.7111
3.5	2.2282	1.3385	1.04	.4768	2.0972	.7800	.5994	.7781	.9813	37.5390	66.8960	11.1273	.2176	2.6817
3.5	2.2282	1.3385	1.04	.4768	2.0972	.8100	.6204	.8125	1.0235	37.4502	65.7131	10.9043	.2236	2.6523
3.5	2.2282	1.3385	1.04	.4768	2.0972	.8400	.6394	.8473	1.0648	37.2781	64.5725	10.6813	.2299	2.6229
3.5	2.2282	1.3385	1.04	.4768	2.0972	.8700	.6565	.8825	1.1056	37.0377	63.4685	10.4583	.2364	2.5935
3.5	2.2282	1.3385	1.04	.4768	2.0972	.9000	.6718	.9182	1.1458	36.7407	62.3964	10.2353	.2430	2.5641
3.5	2.2282	1.3385	1.04	.4768	2.0972	.9300	.6856	.9543	1.1855	36.3958	61.3524	10.0123	.2499	2.5347
3.5	2.2282	1.3385	1.04	.4768	2.0972	.9600	.6977	.9908	1.2249	36.0100	60.3331	9.7893	.2571	2.5052
3.5	2.2282	1.3385	1.04	.4768	2.0972	.9900	.7085	1.0279	1.2639	35.5886	59.3358	9.5663	.2644	2.4758
3.5	2.2282	1.3385	1.04	.4768	2.0972	1.0200	.7178	1.0654	1.3027	35.1361	58.3581	9.3433	.2720	2.4463
3.5	2.2282	1.3385	1.04	.4768	2.0972	1.0500	.7259	1.1034	1.3414	34.6558	57.3981	9.1204	.2799	2.4168
3.5	2.2282	1.3385	1.04	.4768	2.0972	1.0800	.7326	1.1419	1.3798	34.1505	56.4538	8.8974	.2879	2.3873
3.5	2.2282	1.3385	1.04	.4768	2.0972	1.1100	.7381	1.1809	1.4182	33.6224	55.5237	8.6744	.2963	2.3577
3.5	2.2282	1.3385	1.04	.4768	2.0972	1.1400	.7424	1.2205	1.4565	33.0733	54.6064	8.4514	.3049	2.3282
3.5	2.2282	1.3385	1.04	.4768	2.0972	1.1700	.7455	1.2607	1.4949	32.5046	53.7006	8.2284	.3138	2.2986
3.5	2.2282	1.3385	1.04	.4768	2.0972	1.2000	.7474	1.3014	1.5332	31.9174	52.8054	8.0054	.3229	2.2690
3.5	2.2282	1.3385	1.04	.4768	2.0972	1.2300	.7482	1.3428	1.5717	31.3124	51.9195	7.7824	.3323	2.2393
3.5	2.2282	1.3385	1.04	.4768	2.0972	1.2600	.7478	1.3847	1.6103	30.6903	51.0423	7.5594	.3420	2.2096
3.5	2.2282	1.3385	1.04	.4768	2.0972	1.2900	.7463	1.4273	1.6490	30.0515	50.1728	7.3364	.3520	2.1799
3.5	2.2282	1.3385	1.04	.4768	2.0972	1.3200	.7437	1.4706	1.6879	29.3961	49.3104	7.1134	.3622	2.1502
3.5	2.2282	1.3385	1.04	.4768	2.0972	1.3500	.7398	1.5145	1.7271	28.7242	48.4545	6.8905	.3728	2.1204
3.5	2.2282	1.3385	1.04	.4768	2.0972	1.3800	.7349	1.5592	1.7665	28.0357	47.6045	6.6675	.3835	2.0905
3.5	2.2282	1.3385	1.04	.4768	2.0972	1.4100	.7287	1.6046	1.8062	27.3303	46.7601	6.4445	.3946	2.0606
3.5	2.2282	1.3385	1.04	.4768	2.0972	1.4400	.7213	1.6508	1.8463	26.6076	45.9209	6.2215	.4059	2.0307
3.5	2.2282	1.3385	1.04	.4768	2.0972	1.4700	.7127	1.6978	1.8868	25.8670	45.0866	5.9985	.4174	2.0007
3.5	2.2282	1.3385	1.04	.4768	2.0972	1.5000	.7029	1.7456	1.9278	25.1077	44.2572	5.7755	.4292	1.9706
3.5	2.2282	1.3385	1.04	.4768	2.0972	1.5300	.6917	1.7943	1.9692	24.3289	43.4328	5.5525	.4411	1.9404
3.5	2.2282	1.3385	1.04	.4768	2.0972	1.5600	.6793	1.8439	2.0111	23.5293	42.6135	5.3295	.4533	1.9101
3.5	2.2282	1.3385	1.04	.4768	2.0972	1.5900	.6654	1.8945	2.0537	22.7078	41.8000	5.1065	.4655	1.8798
3.5	2.2282	1.3385	1.04	.4768	2.0972	1.6200	.6500	1.9461	2.0969	21.8627	40.9930	4.8836	.4779	1.8493
3.5	2.2282	1.3385	1.04	.4768	2.0972	1.6500	.6331	1.9987	2.1408	20.9921	40.1937	4.6606	.4902	1.8187
3.5	2.2282	1.3385	1.04	.4768	2.0972	1.6800	.6146	2.0525	2.1855	20.0940	39.4040	4.4376	.5025	1.7880
3.5	2.2282	1.3385	1.04	.4768	2.0972	1.7100	.5943	2.1074	2.2311	19.1658	38.6264	4.2146	.5148	1.7571
3.5	2.2282	1.3385	1.04	.4768	2.0972	1.7400	.5722	2.1636	2.2776	18.2044	37.8648	3.9916	.5268	1.7260
3.5	2.2282	1.3385	1.04	.4768	2.0972	1.7700	.5481	2.2212	2.3253	17.2062	37.1244	3.7686	.5384	1.6946
3.5	2.2282	1.3385	1.04	.4768	2.0972	1.8000	.5218	2.2802	2.3741	16.1670	36.4130	3.5456	.5496	1.6630
3.5	2.2282	1.3385	1.04	.4768	2.0972	1.8300	.4931	2.3408	2.4243	15.0814	35.7422	3.3226	.5602	1.6311
3.5	2.2282	1.3385	1.04	.4768	2.0972	1.8600	.4618	2.4031	2.4761	13.9431	35.1294	3.0996	.5700	1.5988
3.5	2.2282	1.3385	1.04	.4768	2.0972	1.8900	.4275	2.4673	2.5296	12.7440	34.6021	2.8766	.5787	1.5660
3.5	2.2282	1.3385	1.04	.4768	2.0972	1.9200	.3897	2.5337	2.5853	11.4738	34.2054	2.6537	.5862	1.5325
3.5	2.2282	1.3385	1.04	.4768	2.0972	1.9500	.3480	2.6024	2.6435	10.1192	34.0181	2.4307	.5920	1.4984
3.5	2.2282	1.3385	1.04	.4768	2.0972	1.9800	.3016	2.6740	2.7048	8.6617	34.1892	2.2077	.5959	1.4632
3.5	2.2282	1.3385	1.04	.4768	2.0972	2.0100	.2495	2.7489	2.7700	7.0745	35.0364	1.9847	.5975	1.4268
3.5	2.2282	1.3385	1.04	.4768	2.0972	2.0400	.1897	2.8280	2.8402	5.3124	37.3763	1.7617	.5964	1.3887
3.5	2.2282	1.3385	1.04	.4768	2.0972	2.0700	.1182	2.9124	2.9172	3.2687	44.1852	1.5387	.5923	1.3482

3.5	2.2282	1.3385	1.08	.5072	1.9714	.5100	.0607	.4840	.4874	6.7821	87.8743	12.9884	.1647	3.1958
3.5	2.2282	1.3385	1.08	.5072	1.9714	.5400	.2068	.5149	.5514	20.9565	82.6532	12.7568	.1686	3.1653
3.5	2.2282	1.3385	1.08	.5072	1.9714	.5700	.2830	.5461	.6098	26.4042	79.8076	12.5252	.1727	3.1348
3.5	2.2282	1.3385	1.08	.5072	1.9714	.6000	.3400	.5777	.6640	29.5422	77.5801	12.2937	.1768	3.1043
3.5	2.2282	1.3385	1.08	.5072	1.9714	.6300	.3865	.6096	.7152	31.5303	75.6789	12.0621	.1811	3.0738
3.5	2.2282	1.3385	1.08	.5072	1.9714	.6600	.4259	.6418	.7639	32.8345	73.9873	11.8305	.1854	3.0433
3.5	2.2282	1.3385	1.08	.5072	1.9714	.6900	.4600	.6744	.8105	33.6912	72.4443	11.5990	.1899	3.0128
3.5	2.2282	1.3385	1.08	.5072	1.9714	.7200	.4900	.7073	.8555	34.2359	71.0134	11.3674	.1945	2.9822
3.5	2.2282	1.3385	1.08	.5072	1.9714	.7500	.5165	.7406	.8992	34.5531	69.6709	11.1358	.1993	2.9517
3.5	2.2282	1.3385	1.08	.5072	1.9714	.7800	.5401	.7742	.9417	34.6987	68.4000	10.9043	.2041	2.9211
3.5	2.2282	1.3385	1.08	.5072	1.9714	.8100	.5611	.8082	.9832	34.7110	67.1886	10.6727	.2091	2.8905
3.5	2.2282	1.3385	1.08	.5072	1.9714	.8400	.5799	.8426	1.0239	34.6174	66.0276	10.4411	.2142	2.8599
3.5	2.2282	1.3385	1.08	.5072	1.9714	.8700	.5965	.8775	1.0639	34.4379	64.9099	10.2096	.2195	2.8293
3.5	2.2282	1.3385	1.08	.5072	1.9714	.9000	.6114	.9127	1.1033	34.1875	63.8298	9.9780	.2249	2.7986
3.5	2.2282	1.3385	1.08	.5072	1.9714	.9300	.6244	.9483	1.1422	33.8775	62.7828	9.7464	.2304	2.7680
3.5	2.2282	1.3385	1.08	.5072	1.9714	.9600	.6358	.9844	1.1807	33.5168	61.7652	9.5149	.2361	2.7373
3.5	2.2282	1.3385	1.08	.5072	1.9714	.9900	.6457	1.0209	1.2188	33.1123	60.7738	9.2833	.2419	2.7066
3.5	2.2282	1.3385	1.08	.5072	1.9714	1.0200	.6541	1.0578	1.2566	32.6693	59.8062	9.0517	.2478	2.6758
3.5	2.2282	1.3385	1.08	.5072	1.9714	1.0500	.6610	1.0952	1.2942	32.1922	58.8601	8.8202	.2538	2.6451
3.5	2.2282	1.3385	1.08	.5072	1.9714	1.0800	.6666	1.1332	1.3316	31.6844	57.9336	8.5886	.2601	2.6143
3.5	2.2282	1.3385	1.08	.5072	1.9714	1.1100	.6709	1.1716	1.3689	31.1485	57.0254	8.3570	.2664	2.5835
3.5	2.2282	1.3385	1.08	.5072	1.9714	1.1400	.6738	1.2105	1.4061	30.5867	56.1340	8.1255	.2728	2.5526
3.5	2.2282	1.3385	1.08	.5072	1.9714	1.1700	.6755	1.2499	1.4433	30.0007	55.2584	7.8939	.2794	2.5217
3.5	2.2282	1.3385	1.08	.5072	1.9714	1.2000	.6759	1.2899	1.4805	29.3917	54.3978	7.6623	.2861	2.4908
3.5	2.2282	1.3385	1.08	.5072	1.9714	1.2300	.6751	1.3304	1.5177	28.7607	53.5515	7.4308	.2930	2.4598
3.5	2.2282	1.3385	1.08	.5072	1.9714	1.2600	.6730	1.3716	1.5550	28.1082	52.7191	7.1992	.2999	2.4288
3.5	2.2282	1.3385	1.08	.5072	1.9714	1.2900	.6697	1.4133	1.5924	27.4346	51.9004	6.9676	.3069	2.3977
3.5	2.2282	1.3385	1.08	.5072	1.9714	1.3200	.6650	1.4557	1.6300	26.7401	51.0952	6.7361	.3140	2.3665
3.5	2.2282	1.3385	1.08	.5072	1.9714	1.3500	.6592	1.4987	1.6678	26.0246	50.3037	6.5045	.3212	2.3353
3.5	2.2282	1.3385	1.08	.5072	1.9714	1.3800	.6520	1.5423	1.7058	25.2877	49.5265	6.2729	.3284	2.3040
3.5	2.2282	1.3385	1.08	.5072	1.9714	1.4100	.6434	1.5867	1.7441	24.5288	48.7643	6.0414	.3356	2.2727
3.5	2.2282	1.3385	1.08	.5072	1.9714	1.4400	.6335	1.6318	1.7827	23.7473	48.0183	5.8098	.3428	2.2412
3.5	2.2282	1.3385	1.08	.5072	1.9714	1.4700	.6222	1.6776	1.8217	22.9420	47.2901	5.5782	.3500	2.2097
3.5	2.2282	1.3385	1.08	.5072	1.9714	1.5000	.6094	1.7243	1.8612	22.1117	46.5819	5.3467	.3571	2.1780
3.5	2.2282	1.3385	1.08	.5072	1.9714	1.5300	.5951	1.7717	1.9010	21.2548	45.8969	5.1151	.3642	2.1462
3.5	2.2282	1.3385	1.08	.5072	1.9714	1.5600	.5792	1.8201	1.9415	20.3694	45.2390	4.8836	.3710	2.1143
3.5	2.2282	1.3385	1.08	.5072	1.9714	1.5900	.5616	1.8693	1.9825	19.4531	44.6137	4.6520	.3777	2.0821
3.5	2.2282	1.3385	1.08	.5072	1.9714	1.6200	.5421	1.9195	2.0242	18.5031	44.0284	4.4204	.3840	2.0498
3.5	2.2282	1.3385	1.08	.5072	1.9714	1.6500	.5208	1.9708	2.0666	17.5161	43.4933	4.1889	.3900	2.0173
3.5	2.2282	1.3385	1.08	.5072	1.9714	1.6800	.4973	2.0231	2.1099	16.4879	43.0225	3.9573	.3956	1.9845
3.5	2.2282	1.3385	1.08	.5072	1.9714	1.7100	.4714	2.0767	2.1541	15.4135	42.6359	3.7257	.4006	1.9514
3.5	2.2282	1.3385	1.08	.5072	1.9714	1.7400	.4431	2.1315	2.1995	14.2864	42.3629	3.4942	.4050	1.9179
3.5	2.2282	1.3385	1.08	.5072	1.9714	1.7700	.4118	2.1876	2.2461	13.0985	42.2476	3.2626	.4085	1.8840
3.5	2.2282	1.3385	1.08	.5072	1.9714	1.8000	.3773	2.2454	2.2942	11.8393	42.3598	3.0310	.4112	1.8495
3.5	2.2282	1.3385	1.08	.5072	1.9714	1.8300	.3390	2.3048	2.3440	10.4939	42.8158	2.7995	.4127	1.8144
3.5	2.2282	1.3385	1.08	.5072	1.9714	1.8600	.2960	2.3662	2.3959	9.0409	43.8253	2.5679	.4129	1.7784
3.5	2.2282	1.3385	1.08	.5072	1.9714	1.8900	.2470	2.4298	2.4505	7.4451	45.8097	2.3363	.4116	1.7413
3.5	2.2282	1.3385	1.08	.5072	1.9714	1.9200	.1895	2.4961	2.5083	5.6369	49.7760	2.1048	.4085	1.7028
3.5	2.2282	1.3385	1.08	.5072	1.9714	1.9500	.1161	2.5658	2.5703	3.4068	59.1128	1.8732	.4035	1.6623
3.5	2.2282	1.3385	1.12	.5407	1.8495	.5500	.1049	.5237	.5331	10.7985	86.1417	12.5224	.1635	3.4138
3.5	2.2282	1.3385	1.12	.5407	1.8495	.5800	.2129	.5548	.5911	20.1605	82.0531	12.2822	.1670	3.3821
3.5	2.2282	1.3385	1.12	.5407	1.8495	.6100	.2791	.5863	.6448	24.5888	79.4269	12.0421	.1705	3.3504
3.5	2.2282	1.3385	1.12	.5407	1.8495	.6400	.3297	.6181	.6953	27.2575	77.3194	11.8020	.1742	3.3187
3.5	2.2282	1.3385	1.12	.5407	1.8495	.6700	.3712	.6501	.7432	28.9850	75.5026	11.5618	.1779	3.2870
3.5	2.2282	1.3385	1.12	.5407	1.8495	.7000	.4062	.6826	.7892	30.1286	73.8779	11.3217	.1817	3.2553
3.5	2.2282	1.3385	1.12	.5407	1.8495	.7300	.4365	.7153	.8334	30.8780	72.3923	11.0815	.1855	3.2235
3.5	2.2282	1.3385	1.12	.5407	1.8495	.7600	.4629	.7484	.8763	31.3462	71.0130	10.8414	.1895	3.1917
3.5	2.2282	1.3385	1.12	.5407	1.8495	.7900	.4861	.7819	.9180	31.6050	69.7186	10.6012	.1935	3.1599
3.5	2.2282	1.3385	1.12	.5407	1.8495	.8200	.5065	.8157	.9587	31.7031	68.4938	10.3611	.1976	3.1281
3.5	2.2282	1.3385	1.12	.5407	1.8495	.8500	.5244	.8498	.9986	31.6743	67.3277	10.1210	.2018	3.0962
3.5	2.2282	1.3385	1.12	.5407	1.8495	.8800	.5402	.8844	1.0377	31.5432	66.2117	9.8808	.2060	3.0644
3.5	2.2282	1.3385	1.12	.5407	1.8495	.9100	.5539	.9193	1.0763	31.3280	65.1395	9.6407	.2103	3.0325
3.5	2.2282	1.3385	1.12	.5407	1.8495	.9400	.5657	.9547	1.1143	31.0421	64.1060	9.4005	.2147	3.0005
3.5	2.2282	1.3385	1.12	.5407	1.8495	.9700	.5759	.9905	1.1518	30.6962	63.1071	9.1604	.2192	2.9686
3.5	2.2282	1.3385	1.12	.5407	1.8495	1.0000	.5843	1.0266	1.1890	30.2984	62.1397	8.9202	.2237	2.9366
3.5	2.2282	1.3385	1.12	.5407	1.8495	1.0300	.5912	1.0632	1.2259	29.8548	61.2010	8.6801	.2282	2.9046
3.5	2.2282	1.3385	1.12	.5407	1.8495	1.0600	.5966	1.1003	1.2626	29.3706	60.2891	8.4400	.2329	2.8725
3.5	2.2282	1.3385	1.12	.5407	1.8495	1.0900	.6005	1.1378	1.2991	28.8497	59.4024	8.1998	.2375	2.8404
3.5	2.2282	1.3385	1.12	.5407	1.8495	1.1200	.6029	1.1758	1.3354	28.2950	58.5397	7.9597	.2422	2.8082
3.5	2.2282	1.3385	1.12	.5407	1.8495	1.1500	.6040	1.2143	1.3716	27.7089	57.7002	7.7195	.2470	2.7760
3.5	2.2282	1.3385	1.12	.5407	1.8495	1.1800	.6037	1.2533	1.4078	27.0932	56.8834	7.4794	.2517	2.7437
3.5	2.2282	1.3385	1.12	.5407	1.8495	1.2100	.6019	1.2928	1.4439	26.4492	56.0893	7.2392	.2565	2.7114
3.5	2.2282	1.3385	1.12	.5407	1.8495	1.2400	.5988	1.3328	1.4801	25.7777	55.3181	6.9991	.2612	2.6790
3.5	2.2282	1.3385	1.12	.5407	1.8495	1.2700	.5944	1.3734	1.5164	25.0793	54.5706	6.7590	.2660	2.6465
3.5	2.2282	1.3385	1.12	.5407	1.8495	1.3000	.5884	1.4146	1.5528	24.3540	53.8480	6.5188	.2706	2.6140
3.5	2.2282	1.3385	1.12	.5407	1.8495	1.3300	.5811	1.4563	1.5893	23.6017	53.1519	6.2787	.2753	2.5813
3.5	2.2282	1.3385	1.12	.5407	1.8495	1.3600	.5723	1.4987	1.6260	22.8217	52.4849	6.0385	.2798	2.5486
3.5	2.2282	1.3385	1.12	.5407	1.8495	1.3900	.5620	1.5418	1.6630	22.0133	51.8502	5.7984	.2842	2.5157
3.5	2.2282	1.3385	1.12	.5407	1.8495	1.4200	.5501	1.5855	1.7003	21.1751	51.2521	5.5582	.2885	2.4827
3.5	2.2282	1.3385	1.12	.5407	1.8495	1.4500	.5365	1.6299	1.7379	20.3055	50.6964	5.3181	.2926	2.4496
3.5	2.2282	1.3385	1.12	.5407	1.8495	1.4800	.5213	1.6750	1.7759	19.4023	50.1908	5.0780	.2964	2.4163
3.5	2.2282	1.3385	1.12	.5407	1.8495	1.5100	.5041	1.7210	1.8143	18.4628	49.7453	4.8378	.3000	2.3828
3.5	2.2282	1.3385	1.12	.5407	1.8495	1.5400	.4851	1.7677	1.8533	17.4837	49.3738	4.5977	.3033	2.3491
3.5	2.2282	1.3385	1.12	.5407	1.8495	1.5700	.4639	1.8153	1.8929	16.4607	49.0949	4.3575	.3062	2.3151
3.5	2.2282	1.3385	1.12	.5407	1.8495	1.6000	.4404	1.8639	1.9332	15.3885	48.9350	4.1174	.3086	2.2808
3.5	2.2282	1.3385	1.12	.5407	1.8495	1.6300	.4143	1.9134	1.9742	14.2601	48.9321	3.8772	.3106	2.2462
3.5	2.2282	1.3385	1.12	.5407	1.8495	1.6600	.3853	1.9640	2.0162	13.0663	49.1424	3.6371	.3119	2.2111
3.5	2.2282	1.3385	1.12	.5407	1.8495	1.6900	.3529	2.0158	2.0592	11.7944	49.6535	3.3970	.3125	2.1756
3.5	2.2282	1.3385	1.12	.5407	1.8495	1.7200	.3165	2.0688	2.1035	10.4261	50.6093	3.1568	.3123	2.1394
3.5	2.2282	1.3385	1.12	.5407	1.8495	1.7500	.2750	2.1233	2.1494	8.9321	52.2656	2.9167	.3112	2.1024
3.5	2.2282	1.3385	1.12	.5407	1.8495	1.7800	.2267	2.1795	2.1971	7.2592	55.1338	2.6765	.3090	2.0645
3.5	2.2282	1.3385	1.12	.5407	1.8495	1.8100	.1674	2.2375	2.2470	5.2841	60.4623	2.4364	.3056	2.0254
3.5	2.2282	1.3385	1.12	.5407	1.8495	1.8400	.0795	2.2978	2.3000	2.4729	73.3330	2.1962	.3008	1.9846

3.5	2.2282	1.3385	1.16	.5782	1.7295	.5800	.0435	.5532	.5547	4.2904	88.3260	12.1164	.1605	3.6497
3.5	2.2282	1.3385	1.16	.5782	1.7295	.6100	.1796	.5844	.6093	16.4072	82.9808	11.8677	.1635	3.6168
3.5	2.2282	1.3385	1.16	.5782	1.7295	.6400	.2467	.6160	.6602	21.0815	80.2031	11.6190	.1666	3.5838
3.5	2.2282	1.3385	1.16	.5782	1.7295	.6700	.2962	.6479	.7083	23.8480	78.0451	11.3703	.1697	3.5509
3.5	2.2282	1.3385	1.16	.5782	1.7295	.7000	.3359	.6800	.7543	25.6329	76.2132	11.1215	.1728	3.5179
3.5	2.2282	1.3385	1.16	.5782	1.7295	.7300	.3690	.7125	.7984	26.8153	74.5911	10.8728	.1760	3.4849
3.5	2.2282	1.3385	1.16	.5782	1.7295	.7600	.3972	.7453	.8410	27.5916	73.1189	10.6241	.1792	3.4519
3.5	2.2282	1.3385	1.16	.5782	1.7295	.7900	.4214	.7785	.8823	28.0775	71.7608	10.3754	.1824	3.4189
3.5	2.2282	1.3385	1.16	.5782	1.7295	.8200	.4424	.8120	.9226	28.3465	70.4936	10.1267	.1857	3.3858
3.5	2.2282	1.3385	1.16	.5782	1.7295	.8500	.4605	.8459	.9620	28.4479	69.3016	9.8780	.1891	3.3527
3.5	2.2282	1.3385	1.16	.5782	1.7295	.8800	.4761	.8801	1.0006	28.4163	68.1731	9.6292	.1924	3.3196
3.5	2.2282	1.3385	1.16	.5782	1.7295	.9100	.4895	.9147	1.0386	28.2767	67.0997	9.3805	.1958	3.2864
3.5	2.2282	1.3385	1.16	.5782	1.7295	.9400	.5008	.9496	1.0760	28.0474	66.0752	9.1318	.1992	3.2532
3.5	2.2282	1.3385	1.16	.5782	1.7295	.9700	.5102	.9850	1.1129	27.7423	65.0946	8.8831	.2025	3.2199
3.5	2.2282	1.3385	1.16	.5782	1.7295	1.0000	.5177	1.0207	1.1494	27.3720	64.1545	8.6344	.2059	3.1866
3.5	2.2282	1.3385	1.16	.5782	1.7295	1.0300	.5236	1.0569	1.1856	26.9446	63.2520	8.3856	.2093	3.1533
3.5	2.2282	1.3385	1.16	.5782	1.7295	1.0600	.5277	1.0935	1.2215	26.4664	62.3854	8.1369	.2127	3.1199
3.5	2.2282	1.3385	1.16	.5782	1.7295	1.0900	.5303	1.1305	1.2572	25.9422	61.5534	7.8882	.2161	3.0864
3.5	2.2282	1.3385	1.16	.5782	1.7295	1.1200	.5312	1.1680	1.2927	25.3759	60.7556	7.6395	.2194	3.0529
3.5	2.2282	1.3385	1.16	.5782	1.7295	1.1500	.5306	1.2059	1.3281	24.7701	59.9919	7.3908	.2227	3.0193
3.5	2.2282	1.3385	1.16	.5782	1.7295	1.1800	.5285	1.2444	1.3635	24.1270	59.2633	7.1420	.2259	2.9856
3.5	2.2282	1.3385	1.16	.5782	1.7295	1.2100	.5248	1.2833	1.3988	23.4478	58.5712	6.8933	.2291	2.9518
3.5	2.2282	1.3385	1.16	.5782	1.7295	1.2400	.5195	1.3227	1.4341	22.7333	57.9179	6.6446	.2321	2.9180
3.5	2.2282	1.3385	1.16	.5782	1.7295	1.2700	.5127	1.3627	1.4695	21.9837	57.3067	6.3959	.2351	2.8840
3.5	2.2282	1.3385	1.16	.5782	1.7295	1.3000	.5042	1.4032	1.5050	21.1987	56.7421	6.1472	.2379	2.8499
3.5	2.2282	1.3385	1.16	.5782	1.7295	1.3300	.4940	1.4442	1.5407	20.3775	56.2301	5.8984	.2405	2.8156
3.5	2.2282	1.3385	1.16	.5782	1.7295	1.3600	.4821	1.4859	1.5765	19.5184	55.7785	5.6497	.2430	2.7813
3.5	2.2282	1.3385	1.16	.5782	1.7295	1.3900	.4683	1.5282	1.6126	18.6195	55.3980	5.4010	.2452	2.7467
3.5	2.2282	1.3385	1.16	.5782	1.7295	1.4200	.4526	1.5712	1.6490	17.6777	55.1025	5.1523	.2472	2.7119
3.5	2.2282	1.3385	1.16	.5782	1.7295	1.4500	.4347	1.6148	1.6858	16.6893	54.9112	4.9036	.2489	2.6769
3.5	2.2282	1.3385	1.16	.5782	1.7295	1.4800	.4146	1.6592	1.7231	15.6490	54.8501	4.6548	.2503	2.6417
3.5	2.2282	1.3385	1.16	.5782	1.7295	1.5100	.3919	1.7043	1.7608	14.5500	54.9561	4.4061	.2512	2.6061
3.5	2.2282	1.3385	1.16	.5782	1.7295	1.5400	.3664	1.7503	1.7992	13.3830	55.2829	4.1574	.2517	2.5702
3.5	2.2282	1.3385	1.16	.5782	1.7295	1.5700	.3376	1.7972	1.8382	12.1347	55.9115	3.9087	.2517	2.5338
3.5	2.2282	1.3385	1.16	.5782	1.7295	1.6000	.3048	1.8450	1.8782	10.7852	56.9707	3.6600	.2512	2.4969
3.5	2.2282	1.3385	1.16	.5782	1.7295	1.6300	.2670	1.8938	1.9191	9.3025	58.6813	3.4112	.2500	2.4595
3.5	2.2282	1.3385	1.16	.5782	1.7295	1.6600	.2223	1.9439	1.9612	7.6269	61.4654	3.1625	.2481	2.4212
3.5	2.2282	1.3385	1.16	.5782	1.7295	1.6900	.1663	1.9952	2.0049	5.6187	66.3030	2.9138	.2453	2.3820
3.5	2.2282	1.3385	1.16	.5782	1.7295	1.7200	.0806	2.0481	2.0504	2.6825	76.9911	2.6651	.2416	2.3416
3.5	2.2282	1.3385	1.20	.6213	1.6095	.6300	.0877	.6036	.6094	7.9216	86.4274	11.5218	.1588	3.8704
3.5	2.2282	1.3385	1.20	.6213	1.6095	.6600	.1819	.6352	.6589	15.4091	82.4586	11.2645	.1613	3.8362
3.5	2.2282	1.3385	1.20	.6213	1.6095	.6900	.2382	.6670	.7057	19.0470	79.9492	11.0072	.1639	3.8020
3.5	2.2282	1.3385	1.20	.6213	1.6095	.7200	.2805	.6992	.7504	21.2829	77.9516	10.7499	.1664	3.7678
3.5	2.2282	1.3385	1.20	.6213	1.6095	.7500	.3144	.7316	.7933	22.7424	76.2423	10.4926	.1690	3.7335
3.5	2.2282	1.3385	1.20	.6213	1.6095	.7800	.3425	.7644	.8349	23.7037	74.7259	10.2353	.1716	3.6992
3.5	2.2282	1.3385	1.20	.6213	1.6095	.8100	.3660	.7975	.8752	24.3183	73.3510	9.9780	.1742	3.6649
3.5	2.2282	1.3385	1.20	.6213	1.6095	.8400	.3860	.8310	.9145	24.6780	72.0869	9.7207	.1768	3.6306
3.5	2.2282	1.3385	1.20	.6213	1.6095	.8700	.4028	.8648	.9530	24.8428	70.9132	9.4634	.1793	3.5961
3.5	2.2282	1.3385	1.20	.6213	1.6095	.9000	.4169	.8989	.9907	24.8536	69.8162	9.2061	.1819	3.5617
3.5	2.2282	1.3385	1.20	.6213	1.6095	.9300	.4285	.9334	1.0277	24.7395	68.7864	8.9488	.1844	3.5272
3.5	2.2282	1.3385	1.20	.6213	1.6095	.9600	.4379	.9683	1.0643	24.5218	67.8168	8.6915	.1869	3.4926
3.5	2.2282	1.3385	1.20	.6213	1.6095	.9900	.4453	1.0035	1.1003	24.2161	66.9028	8.4342	.1894	3.4580
3.5	2.2282	1.3385	1.20	.6213	1.6095	1.0200	.4506	1.0391	1.1360	23.8344	66.0412	8.1769	.1918	3.4233
3.5	2.2282	1.3385	1.20	.6213	1.6095	1.0500	.4541	1.0752	1.1714	23.3854	65.2302	7.9196	.1942	3.3885
3.5	2.2282	1.3385	1.20	.6213	1.6095	1.0800	.4557	1.1116	1.2065	22.8761	64.4694	7.6623	.1965	3.3537
3.5	2.2282	1.3385	1.20	.6213	1.6095	1.1100	.4555	1.1485	1.2415	22.3113	63.7592	7.4051	.1987	3.3188
3.5	2.2282	1.3385	1.20	.6213	1.6095	1.1400	.4535	1.1858	1.2762	21.6948	63.1015	7.1478	.2008	3.2837
3.5	2.2282	1.3385	1.20	.6213	1.6095	1.1700	.4498	1.2236	1.3109	21.0290	62.4994	6.8905	.2028	3.2486
3.5	2.2282	1.3385	1.20	.6213	1.6095	1.2000	.4443	1.2618	1.3455	20.3153	61.9575	6.6332	.2047	3.2134
3.5	2.2282	1.3385	1.20	.6213	1.6095	1.2300	.4369	1.3006	1.3802	19.5543	61.4823	6.3759	.2064	3.1780
3.5	2.2282	1.3385	1.20	.6213	1.6095	1.2600	.4276	1.3398	1.4148	18.7453	61.0826	6.1186	.2080	3.1424
3.5	2.2282	1.3385	1.20	.6213	1.6095	1.2900	.4163	1.3796	1.4496	17.8871	60.7701	5.8613	.2094	3.1067
3.5	2.2282	1.3385	1.20	.6213	1.6095	1.3200	.4030	1.4199	1.4846	16.9769	60.5608	5.6040	.2105	3.0708
3.5	2.2282	1.3385	1.20	.6213	1.6095	1.3500	.3874	1.4607	1.5197	16.0109	60.4762	5.3467	.2114	3.0347
3.5	2.2282	1.3385	1.20	.6213	1.6095	1.3800	.3693	1.5022	1.5551	14.9832	60.5464	5.0894	.2120	2.9983
3.5	2.2282	1.3385	1.20	.6213	1.6095	1.4100	.3486	1.5444	1.5909	13.8858	60.8135	4.8321	.2123	2.9617
3.5	2.2282	1.3385	1.20	.6213	1.6095	1.4400	.3247	1.5872	1.6270	12.7067	61.3393	4.5748	.2123	2.9247
3.5	2.2282	1.3385	1.20	.6213	1.6095	1.4700	.2972	1.6307	1.6637	11.4282	62.2180	4.3175	.2118	2.8873
3.5	2.2282	1.3385	1.20	.6213	1.6095	1.5000	.2651	1.6750	1.7010	10.0214	63.6026	4.0602	.2110	2.8494
3.5	2.2282	1.3385	1.20	.6213	1.6095	1.5300	.2269	1.7201	1.7390	8.4350	65.7656	3.8029	.2096	2.8110
3.5	2.2282	1.3385	1.20	.6213	1.6095	1.5600	.1794	1.7662	1.7778	6.5593	69.2734	3.5456	.2076	2.7718
3.5	2.2282	1.3385	1.20	.6213	1.6095	1.5900	.1124	1.8133	1.8178	4.0450	75.7904	3.2883	.2051	2.7319

3.5	2.2282	1.3385	1.24	.6730	1.4858	.6800	.0710	.6544	.6579	5.9608	86.9234	10.8986	.1560	4.0969
3.5	2.2282	1.3385	1.24	.6730	1.4858	.7100	.1602	.6862	.7035	12.7163	82.9254	10.6327	.1580	4.0615
3.5	2.2282	1.3385	1.24	.6730	1.4858	.7400	.2111	.7184	.7470	15.9228	80.4956	10.3668	.1600	4.0259
3.5	2.2282	1.3385	1.24	.6730	1.4858	.7700	.2485	.7508	.7889	17.8852	78.5876	10.1009	.1620	3.9904
3.5	2.2282	1.3385	1.24	.6730	1.4858	.8000	.2779	.7836	.8295	19.1528	76.9734	9.8351	.1640	3.9548
3.5	2.2282	1.3385	1.24	.6730	1.4858	.8300	.3016	.8166	.8689	19.9682	75.5577	9.5692	.1660	3.9191
3.5	2.2282	1.3385	1.24	.6730	1.4858	.8600	.3209	.8500	.9073	20.4636	74.2903	9.3033	.1679	3.8834
3.5	2.2282	1.3385	1.24	.6730	1.4858	.8900	.3367	.8838	.9449	20.7197	73.1417	9.0375	.1698	3.8477
3.5	2.2282	1.3385	1.24	.6730	1.4858	.9200	.3493	.9178	.9817	20.7893	72.0934	8.7716	.1716	3.8118
3.5	2.2282	1.3385	1.24	.6730	1.4858	.9500	.3591	.9523	1.0180	20.7086	71.1335	8.5057	.1733	3.7759
3.5	2.2282	1.3385	1.24	.6730	1.4858	.9800	.3665	.9870	1.0538	20.5033	70.2545	8.2398	.1750	3.7400
3.5	2.2282	1.3385	1.24	.6730	1.4858	1.0100	.3714	1.0222	1.0891	20.1919	69.4523	7.9740	.1767	3.7039
3.5	2.2282	1.3385	1.24	.6730	1.4858	1.0400	.3742	1.0577	1.1241	19.7880	68.7252	7.7081	.1782	3.6677
3.5	2.2282	1.3385	1.24	.6730	1.4858	1.0700	.3747	1.0937	1.1588	19.3013	68.0740	7.4422	.1796	3.6315
3.5	2.2282	1.3385	1.24	.6730	1.4858	1.1000	.3732	1.1300	1.1932	18.7387	67.5017	7.1763	.1809	3.5951
3.5	2.2282	1.3385	1.24	.6730	1.4858	1.1300	.3694	1.1668	1.2275	18.1050	67.0140	6.9105	.1821	3.5586
3.5	2.2282	1.3385	1.24	.6730	1.4858	1.1600	.3636	1.2039	1.2617	17.4026	66.6193	6.6446	.1831	3.5220
3.5	2.2282	1.3385	1.24	.6730	1.4858	1.1900	.3555	1.2416	1.2958	16.6324	66.3297	6.3787	.1840	3.4852
3.5	2.2282	1.3385	1.24	.6730	1.4858	1.2200	.3451	1.2797	1.3299	15.7930	66.1620	6.1129	.1847	3.4482
3.5	2.2282	1.3385	1.24	.6730	1.4858	1.2500	.3322	1.3183	1.3640	14.8811	66.1397	5.8470	.1851	3.4110
3.5	2.2282	1.3385	1.24	.6730	1.4858	1.2800	.3165	1.3574	1.3983	13.8906	66.2957	5.5811	.1854	3.3735
3.5	2.2282	1.3385	1.24	.6730	1.4858	1.3100	.2979	1.3970	1.4327	12.8114	66.6773	5.3152	.1853	3.3358
3.5	2.2282	1.3385	1.24	.6730	1.4858	1.3400	.2757	1.4372	1.4674	11.6277	67.3552	5.0494	.1850	3.2978
3.5	2.2282	1.3385	1.24	.6730	1.4858	1.3700	.2493	1.4780	1.5023	10.3134	68.4402	4.7835	.1844	3.2595
3.5	2.2282	1.3385	1.24	.6730	1.4858	1.4000	.2173	1.5195	1.5377	8.8223	70.1216	4.5176	.1834	3.2207
3.5	2.2282	1.3385	1.24	.6730	1.4858	1.4300	.1771	1.5616	1.5735	7.0587	72.7701	4.2517	.1821	3.1814
3.5	2.2282	1.3385	1.24	.6730	1.4858	1.4600	.1214	1.6044	1.6100	4.7533	77.3513	3.9859	.1803	3.1415
3.5	2.2282	1.3385	1.28	.7400	1.3514	.7400	.0046	.7161	.7161	.3598	89.7835	10.1553	.1526	4.3169
3.5	2.2282	1.3385	1.28	.7400	1.3514	.7700	.1245	.7483	.7580	9.1826	84.0753	9.8808	.1541	4.2800
3.5	2.2282	1.3385	1.28	.7400	1.3514	.8000	.1711	.7809	.7985	12.0699	81.6779	9.6064	.1555	4.2431
3.5	2.2282	1.3385	1.28	.7400	1.3514	.8300	.2033	.8137	.8378	13.7645	79.8827	9.3319	.1569	4.2062
3.5	2.2282	1.3385	1.28	.7400	1.3514	.8600	.2274	.8468	.8760	14.8141	78.4143	9.0575	.1582	4.1691
3.5	2.2282	1.3385	1.28	.7400	1.3514	.8900	.2459	.8803	.9133	15.4432	77.1685	8.7830	.1595	4.1320
3.5	2.2282	1.3385	1.28	.7400	1.3514	.9200	.2598	.9141	.9499	15.7707	76.0941	8.5086	.1607	4.0948
3.5	2.2282	1.3385	1.28	.7400	1.3514	.9500	.2700	.9483	.9858	15.8678	75.1639	8.2341	.1618	4.0575
3.5	2.2282	1.3385	1.28	.7400	1.3514	.9800	.2769	.9827	1.0212	15.7801	74.3631	7.9597	.1628	4.0201
3.5	2.2282	1.3385	1.28	.7400	1.3514	1.0100	.2808	1.0176	1.0562	15.5383	73.6855	7.6852	.1637	3.9826
3.5	2.2282	1.3385	1.28	.7400	1.3514	1.0400	.2818	1.0528	1.0908	15.1629	73.1310	7.4108	.1645	3.9449
3.5	2.2282	1.3385	1.28	.7400	1.3514	1.0700	.2801	1.0884	1.1250	14.6673	72.7052	7.1363	.1652	3.9071
3.5	2.2282	1.3385	1.28	.7400	1.3514	1.1000	.2755	1.1244	1.1591	14.0597	72.4196	6.8619	.1657	3.8692
3.5	2.2282	1.3385	1.28	.7400	1.3514	1.1300	.2680	1.1608	1.1930	13.3429	72.2931	6.5874	.1660	3.8311
3.5	2.2282	1.3385	1.28	.7400	1.3514	1.1600	.2575	1.1976	1.2267	12.5151	72.3541	6.3130	.1662	3.7928
3.5	2.2282	1.3385	1.28	.7400	1.3514	1.1900	.2436	1.2348	1.2605	11.5684	72.6453	6.0385	.1661	3.7543
3.5	2.2282	1.3385	1.28	.7400	1.3514	1.2200	.2258	1.2726	1.2942	10.4862	73.2324	5.7641	.1659	3.7155
3.5	2.2282	1.3385	1.28	.7400	1.3514	1.2500	.2033	1.3108	1.3280	9.2371	74.2219	5.4896	.1654	3.6764
3.5	2.2282	1.3385	1.28	.7400	1.3514	1.2800	.1744	1.3495	1.3619	7.7587	75.8045	5.2152	.1646	3.6370
3.5	2.2282	1.3385	1.28	.7400	1.3514	1.3100	.1355	1.3887	1.3961	5.9037	78.3921	4.9407	.1636	3.5972
3.5	2.2282	1.3385	1.28	.7400	1.3514	1.3400	.0724	1.4285	1.4306	3.0919	83.4401	4.6663	.1622	3.5570
3.5	2.2282	1.3385	1.32	.8461	1.1819	.8500	.0338	.8329	.8336	2.2787	88.2217	8.9059	.1491	4.4774
3.5	2.2282	1.3385	1.32	.8461	1.1819	.8800	.0945	.8660	.8710	6.1273	84.9042	8.6229	.1499	4.4389
3.5	2.2282	1.3385	1.32	.8461	1.1819	.9100	.1227	.8995	.9076	7.6822	83.1998	8.3399	.1506	4.4003
3.5	2.2282	1.3385	1.32	.8461	1.1819	.9400	.1400	.9332	.9435	8.4691	82.0275	8.0569	.1511	4.3616
3.5	2.2282	1.3385	1.32	.8461	1.1819	.9700	.1500	.9673	.9789	8.7928	81.2017	7.7738	.1516	4.3228
3.5	2.2282	1.3385	1.32	.8461	1.1819	1.0000	.1544	1.0018	1.0137	8.7799	80.6632	7.4908	.1519	4.2838
3.5	2.2282	1.3385	1.32	.8461	1.1819	1.0300	.1538	1.0366	1.0481	8.4908	80.4028	7.2078	.1521	4.2447
3.5	2.2282	1.3385	1.32	.8461	1.1819	1.0600	.1480	1.0718	1.0822	7.9493	80.4455	6.9248	.1521	4.2053
3.5	2.2282	1.3385	1.32	.8461	1.1819	1.0900	.1367	1.1073	1.1160	7.1481	80.8575	6.6417	.1520	4.1658
3.5	2.2282	1.3385	1.32	.8461	1.1819	1.1200	.1184	1.1433	1.1496	6.0335	81.7791	6.3587	.1517	4.1261
3.5	2.2282	1.3385	1.32	.8461	1.1819	1.1500	.0891	1.1796	1.1831	4.4311	83.5590	6.0757	.1512	4.0861
3.5	2.2282	1.3385	1.32	.8461	1.1819	1.1800	.0229	1.2164	1.2166	1.1138	88.2696	5.7927	.1505	4.0458

LOOP BRANCH (M1 FROM 1 TO 5)

GAMMA = 1.3

M1	M1*	OELMAX	OEL	XMIN	XMAX	X(M2U*)	Y(M2V*)	M2U	M2	THETA	SIGMA	PR21	PTR21	TR21
4.0	2.3263	1.3781	1.00	.4299	2.3263	.4300	.0156	.4059	.4062	2.0750	89.5293	17.9553	.0993	3.3179
4.0	2.3263	1.3781	1.00	.4299	2.3263	.4600	.2295	.4365	.4879	26.5165	82.9892	17.6871	.1025	3.2828
4.0	2.3263	1.3781	1.00	.4299	2.3263	.4900	.3214	.4675	.5591	33.2640	80.0716	17.4188	.1057	3.2477
4.0	2.3263	1.3781	1.00	.4299	2.3263	.5200	.3901	.4988	.6236	36.8758	77.8139	17.1506	.1091	3.2126
4.0	2.3263	1.3781	1.00	.4299	2.3263	.5500	.4463	.5305	.6832	39.0604	75.8951	16.8824	.1126	3.1775
4.0	2.3263	1.3781	1.00	.4299	2.3263	.5800	.4945	.5626	.7393	40.4479	74.1910	16.6141	.1163	3.1424
4.0	2.3263	1.3781	1.00	.4299	2.3263	.6100	.5366	.5950	.7925	41.3382	72.6378	16.3459	.1202	3.1073
4.0	2.3263	1.3781	1.00	.4299	2.3263	.6400	.5741	.6278	.8435	41.8954	71.1977	16.0777	.1242	3.0722
4.0	2.3263	1.3781	1.00	.4299	2.3263	.6700	.6079	.6611	.8926	42.2176	69.8461	15.8094	.1283	3.0370
4.0	2.3263	1.3781	1.00	.4299	2.3263	.7000	.6385	.6947	.9402	42.3678	68.5659	15.5412	.1327	3.0019
4.0	2.3263	1.3781	1.00	.4299	2.3263	.7300	.6663	.7287	.9866	42.3879	67.3446	15.2730	.1372	2.9668
4.0	2.3263	1.3781	1.00	.4299	2.3263	.7600	.6917	.7632	1.0320	42.3072	66.1727	15.0047	.1419	2.9317
4.0	2.3263	1.3781	1.00	.4299	2.3263	.7900	.7150	.7981	1.0765	42.1468	65.0431	14.7365	.1469	2.8965
4.0	2.3263	1.3781	1.00	.4299	2.3263	.8200	.7363	.8335	1.1202	41.9222	63.9497	14.4682	.1520	2.8614
4.0	2.3263	1.3781	1.00	.4299	2.3263	.8500	.7559	.8694	1.1634	41.6451	62.8880	14.2000	.1574	2.8262
4.0	2.3263	1.3781	1.00	.4299	2.3263	.8800	.7738	.9057	1.2060	41.3243	61.8539	13.9318	.1631	2.7911
4.0	2.3263	1.3781	1.00	.4299	2.3263	.9100	.7901	.9425	1.2483	40.9668	60.8441	13.6635	.1690	2.7559
4.0	2.3263	1.3781	1.00	.4299	2.3263	.9400	.8051	.9799	1.2901	40.5780	59.8558	13.3953	.1751	2.7207
4.0	2.3263	1.3781	1.00	.4299	2.3263	.9700	.8186	1.0178	1.3318	40.1622	58.8867	13.1271	.1816	2.6855
4.0	2.3263	1.3781	1.00	.4299	2.3263	1.0000	.8309	1.0562	1.3732	39.7228	57.9345	12.8588	.1883	2.6504
4.0	2.3263	1.3781	1.00	.4299	2.3263	1.0300	.8419	1.0952	1.4145	39.2626	56.9974	12.5906	.1954	2.6152
4.0	2.3263	1.3781	1.00	.4299	2.3263	1.0600	.8518	1.1347	1.4557	38.7840	56.0738	12.3224	.2028	2.5800
4.0	2.3263	1.3781	1.00	.4299	2.3263	1.0900	.8605	1.1749	1.4969	38.2886	55.1621	12.0541	.2105	2.5447
4.0	2.3263	1.3781	1.00	.4299	2.3263	1.1200	.8681	1.2157	1.5381	37.7780	54.2611	11.7859	.2187	2.5095
4.0	2.3263	1.3781	1.00	.4299	2.3263	1.1500	.8746	1.2571	1.5793	37.2533	53.3695	11.5177	.2272	2.4743
4.0	2.3263	1.3781	1.00	.4299	2.3263	1.1800	.8800	1.2992	1.6207	36.7156	52.4861	11.2494	.2361	2.4390
4.0	2.3263	1.3781	1.00	.4299	2.3263	1.2100	.8845	1.3419	1.6622	36.1655	51.6100	10.9812	.2455	2.4038
4.0	2.3263	1.3781	1.00	.4299	2.3263	1.2400	.8879	1.3854	1.7039	35.6037	50.7401	10.7130	.2554	2.3685
4.0	2.3263	1.3781	1.00	.4299	2.3263	1.2700	.8903	1.4296	1.7459	35.0306	49.8756	10.4447	.2657	2.3332
4.0	2.3263	1.3781	1.00	.4299	2.3263	1.3000	.8917	1.4746	1.7881	34.4465	49.0155	10.1765	.2766	2.2979
4.0	2.3263	1.3781	1.00	.4299	2.3263	1.3300	.8921	1.5203	1.8307	33.8517	48.1590	9.9083	.2880	2.2626
4.0	2.3263	1.3781	1.00	.4299	2.3263	1.3600	.8915	1.5669	1.8736	33.2462	47.3054	9.6400	.3000	2.2273
4.0	2.3263	1.3781	1.00	.4299	2.3263	1.3900	.8900	1.6143	1.9169	32.6301	46.4538	9.3718	.3126	2.1919
4.0	2.3263	1.3781	1.00	.4299	2.3263	1.4200	.8874	1.6627	1.9606	32.0032	45.6036	9.1036	.3258	2.1565
4.0	2.3263	1.3781	1.00	.4299	2.3263	1.4500	.8839	1.7119	2.0049	31.3655	44.7538	8.8353	.3397	2.1211
4.0	2.3263	1.3781	1.00	.4299	2.3263	1.4800	.8793	1.7621	2.0496	30.7166	43.9038	8.5671	.3543	2.0857
4.0	2.3263	1.3781	1.00	.4299	2.3263	1.5100	.8738	1.8133	2.0950	30.0563	43.0529	8.2988	.3697	2.0502
4.0	2.3263	1.3781	1.00	.4299	2.3263	1.5400	.8672	1.8655	2.1410	29.3842	42.2002	8.0306	.3859	2.0147
4.0	2.3263	1.3781	1.00	.4299	2.3263	1.5700	.8595	1.9189	2.1876	28.6997	41.3450	7.7624	.4029	1.9792
4.0	2.3263	1.3781	1.00	.4299	2.3263	1.6000	.8508	1.9733	2.2350	28.0022	40.4866	7.4941	.4208	1.9437
4.0	2.3263	1.3781	1.00	.4299	2.3263	1.6300	.8410	2.0290	2.2831	27.2912	39.6240	7.2259	.4395	1.9081
4.0	2.3263	1.3781	1.00	.4299	2.3263	1.6600	.8300	2.0859	2.3321	26.5658	38.7565	6.9577	.4593	1.8724
4.0	2.3263	1.3781	1.00	.4299	2.3263	1.6900	.8179	2.1442	2.3820	25.8250	37.8831	6.6894	.4800	1.8367
4.0	2.3263	1.3781	1.00	.4299	2.3263	1.7200	.8045	2.2038	2.4329	25.0678	37.0029	6.4212	.5017	1.8010
4.0	2.3263	1.3781	1.00	.4299	2.3263	1.7500	.7899	2.2648	2.4849	24.2931	36.1149	6.1530	.5245	1.7651
4.0	2.3263	1.3781	1.00	.4299	2.3263	1.7800	.7739	2.3275	2.5379	23.4994	35.2180	5.8847	.5483	1.7292
4.0	2.3263	1.3781	1.00	.4299	2.3263	1.8100	.7566	2.3917	2.5922	22.6851	34.3109	5.6165	.5732	1.6933
4.0	2.3263	1.3781	1.00	.4299	2.3263	1.8400	.7378	2.4577	2.6479	21.8485	33.3925	5.3483	.5992	1.6572
4.0	2.3263	1.3781	1.00	.4299	2.3263	1.8700	.7173	2.5255	2.7049	20.9873	32.4613	5.0800	.6263	1.6210
4.0	2.3263	1.3781	1.00	.4299	2.3263	1.9000	.6953	2.5952	2.7635	20.0990	31.5157	4.8118	.6545	1.5847
4.0	2.3263	1.3781	1.00	.4299	2.3263	1.9300	.6714	2.6671	2.8238	19.1808	30.5539	4.5436	.6836	1.5482
4.0	2.3263	1.3781	1.00	.4299	2.3263	1.9600	.6455	2.7412	2.8860	18.2292	29.5739	4.2753	.7137	1.5115
4.0	2.3263	1.3781	1.00	.4299	2.3263	1.9900	.6175	2.8177	2.9503	17.2401	28.5735	4.0071	.7444	1.4747
4.0	2.3263	1.3781	1.00	.4299	2.3263	2.0200	.5872	2.8969	3.0168	16.2084	27.5500	3.7389	.7758	1.4375
4.0	2.3263	1.3781	1.00	.4299	2.3263	2.0500	.5542	2.9790	3.0859	15.1279	26.5003	3.4706	.8074	1.4001
4.0	2.3263	1.3781	1.00	.4299	2.3263	2.0800	.5183	3.0643	3.1580	13.9912	25.4208	3.2024	.8390	1.3622
4.0	2.3263	1.3781	1.00	.4299	2.3263	2.1100	.4789	3.1532	3.2334	12.7886	24.3071	2.9342	.8699	1.3239
4.0	2.3263	1.3781	1.00	.4299	2.3263	2.1400	.4357	3.2462	3.3128	11.5077	23.1537	2.6659	.8998	1.2849
4.0	2.3263	1.3781	1.00	.4299	2.3263	2.1700	.3878	3.3440	3.3970	10.1323	21.9542	2.3977	.9276	1.2450
4.0	2.3263	1.3781	1.00	.4299	2.3263	2.2000	.3343	3.4475	3.4870	8.6401	20.7001	2.1294	.9525	1.2040
4.0	2.3263	1.3781	1.00	.4299	2.3263	2.2300	.2738	3.5580	3.5847	7.0002	19.3803	1.8612	.9733	1.1614
4.0	2.3263	1.3781	1.00	.4299	2.3263	2.2600	.2044	3.6779	3.6929	5.1668	17.9799	1.5930	.9886	1.1164
4.0	2.3263	1.3781	1.00	.4299	2.3263	2.2900	.1228	3.8107	3.8162	3.0692	16.4779	1.3247	.9975	1.0677
4.0	2.3263	1.3781	1.00	.4299	2.3263	2.3200	.0238	3.9639	3.9641	.5889	14.8431	1.0565	1.0000	1.0128
4.0	2.3263	1.3781	1.04	.4557	2.1945	.4600	.0837	.4352	.4423	10.3099	87.3692	17.5225	.0988	3.5726
4.0	2.3263	1.3781	1.04	.4557	2.1945	.4900	.2338	.4660	.5163	25.5116	82.5619	17.2436	.1017	3.5360
4.0	2.3263	1.3781	1.04	.4557	2.1945	.5200	.3171	.4971	.5822	31.3775	79.7922	16.9646	.1047	3.4995
4.0	2.3263	1.3781	1.04	.4557	2.1945	.5500	.3804	.5285	.6426	34.6661	77.6083	16.6857	.1077	3.4629
4.0	2.3263	1.3781	1.04	.4557	2.1945	.5800	.4324	.5603	.6989	36.7061	75.7380	16.4067	.1109	3.4264
4.0	2.3263	1.3781	1.04	.4557	2.1945	.6100	.4770	.5925	.7521	38.0229	74.0703	16.1277	.1142	3.3898
4.0	2.3263	1.3781	1.04	.4557	2.1945	.6400	.5160	.6250	.8028	38.8769	72.5465	15.8488	.1177	3.3533
4.0	2.3263	1.3781	1.04	.4557	2.1945	.6700	.5506	.6579	.8515	39.4146	71.1315	15.5698	.1212	3.3167
4.0	2.3263	1.3781	1.04	.4557	2.1945	.7000	.5817	.6912	.8986	39.7259	69.8020	15.2908	.1249	3.2801
4.0	2.3263	1.3781	1.04	.4557	2.1945	.7300	.6097	.7248	.9444	39.8690	68.5419	15.0119	.1287	3.2435
4.0	2.3263	1.3781	1.04	.4557	2.1945	.7600	.6351	.7589	.9890	39.8834	67.3392	14.7329	.1327	3.2069
4.0	2.3263	1.3781	1.04	.4557	2.1945	.7900	.6581	.7934	1.0327	39.7972	66.1851	14.4539	.1368	3.1703
4.0	2.3263	1.3781	1.04	.4557	2.1945	.8200	.6791	.8283	1.0755	39.6305	65.0723	14.1750	.1411	3.1337
4.0	2.3263	1.3781	1.04	.4557	2.1945	.8500	.6982	.8637	1.1177	39.3984	63.9954	13.8960	.1456	3.0971
4.0	2.3263	1.3781	1.04	.4557	2.1945	.8800	.7155	.8995	1.1593	39.1122	62.9498	13.6171	.1502	3.0604
4.0	2.3263	1.3781	1.04	.4557	2.1945	.9100	.7312	.9358	1.2004	38.7806	61.9316	13.3381	.1550	3.0238
4.0	2.3263	1.3781	1.04	.4557	2.1945	.9400	.7453	.9726	1.2412	38.4105	60.9378	13.0591	.1600	2.9872
4.0	2.3263	1.3781	1.04	.4557	2.1945	.9700	.7580	1.0098	1.2816	38.0072	59.9655	12.7802	.1652	2.9505
4.0	2.3263	1.3781	1.04	.4557	2.1945	1.0000	.7694	1.0476	1.3218	37.5750	59.0125	12.5012	.1706	2.9138
4.0	2.3263	1.3781	1.04	.4557	2.1945	1.0300	.7795	1.0859	1.3618	37.1174	58.0768	12.2222	.1762	2.8771
4.0	2.3263	1.3781	1.04	.4557	2.1945	1.0600	.7883	1.1247	1.4016	36.6370	57.1565	11.9433	.1820	2.8404
4.0	2.3263	1.3781	1.04	.4557	2.1945	1.0900	.7959	1.1641	1.4414	36.1361	56.2502	11.6643	.1881	2.8037
4.0	2.3263	1.3781	1.04	.4557	2.1945	1.1200	.8023	1.2040	1.4811	35.6164	55.3563	11.3853	.1944	2.7670
4.0	2.3263	1.3781	1.04	.4557	2.1945	1.1500	.8076	1.2446	1.5208	35.0795	54.4738	11.1064	.2009	2.7302
4.0	2.3263	1.3781	1.04	.4557	2.1945	1.1800	.8118	1.2857	1.5606	34.5264	53.6015	10.8274	.2077	2.6935
4.0	2.3263	1.3781	1.04	.4557	2.1945	1.2100	.8149	1.3275	1.6005	33.9580	52.7383	10.5484	.2148	2.6567
4.0	2.3263	1.3781	1.04	.4557	2.1945	1.2400	.8169	1.3700	1.6405	33.3750	51.8833	10.2695	.2221	2.6198
4.0	2.3263	1.3781	1.04	.4557	2.1945	1.2700	.8178	1.4131	1.6807	32.7779	51.0358	9.9905	.2298	2.5830
4.0	2.3263	1.3781	1.04	.4557	2.1945	1.3000	.8176	1.4569	1.7211	32.1670	50.1948	9.7116	.2377	2.5462
4.0	2.3263	1.3781	1.04	.4557	2.1945	1.3300	.8164	1.5014	1.7617	31.5427	49.3598	9.4326	.2460	2.5093
4.0	2.3263	1.3781	1.04	.4557	2.1945	1.3600	.8141	1.5467	1.8026	30.9048	48.5301	9.1536	.2545	2.4723
4.0	2.3263	1.3781	1.04	.4557	2.1945	1.3900	.8107	1.5928	1.8439	30.2534	47.7051	8.8747	.2634	2.4354
4.0	2.3263	1.3781	1.04	.4557	2.1945	1.4200	.8063	1.6396	1.8855	29.5883	46.8843	8.5957	.2726	2.3984
4.0	2.3263	1.3781	1.04	.4557	2.1945	1.4500	.8007	1.6874	1.9276	28.9091	46.0672	8.3167	.2822	2.3614
4.0	2.3263	1.3781	1.04	.4557	2.1945	1.4800	.7941	1.7360	1.9700	28.2156	45.2535	8.0378	.2921	2.3243
4.0	2.3263	1.3781	1.04	.4557	2.1945	1.5100	.7863	1.7855	2.0130	27.5071	44.4427	7.7588	.3023	2.2872
4.0	2.3263	1.3781	1.04	.4557	2.1945	1.5400	.7773	1.8359	2.0565	26.7831	43.6346	7.4798	.3129	2.2500
4.0	2.3263	1.3781	1.04	.4557	2.1945	1.5700	.7672	1.8874	2.1006	26.0427	42.8290	7.2009	.3238	2.2128
4.0	2.3263	1.3781	1.04	.4557	2.1945	1.6000	.7558	1.9398	2.1454	25.2850	42.0258	6.9219	.3350	2.1755
4.0	2.3263	1.3781	1.04	.4557	2.1945	1.6300	.7431	1.9934	2.1908	24.5089	41.2251	6.6429	.3466	2.1381
4.0	2.3263	1.3781	1.04	.4557	2.1945	1.6600	.7291	2.0481	2.2370	23.7132	40.4271	6.3640	.3585	2.1007
4.0	2.3263	1.3781	1.04	.4557	2.1945	1.6900	.7138	2.1040	2.2840	22.8963	39.6322	6.0850	.3706	2.0631
4.0	2.3263	1.3781	1.04	.4557	2.1945	1.7200	.6969	2.1612	2.3318	22.0565	38.8411	5.8061	.3830	2.0254
4.0	2.3263	1.3781	1.04	.4557	2.1945	1.7500	.6785	2.2197	2.3807	21.1919	38.0548	5.5271	.3957	1.9876
4.0	2.3263	1.3781	1.04	.4557	2.1945	1.7800	.6584	2.2796	2.4306	20.3000	37.2750	5.2481	.4084	1.9497
4.0	2.3263	1.3781	1.04	.4557	2.1945	1.8100	.6366	2.3410	2.4816	19.3781	36.5039	4.9692	.4212	1.9116
4.0	2.3263	1.3781	1.04	.4557	2.1945	1.8400	.6129	2.4040	2.5339	18.4229	35.7449	4.6902	.4340	1.8733
4.0	2.3263	1.3781	1.04	.4557	2.1945	1.8700	.5871	2.4687	2.5876	17.4304	35.0029	4.4112	.4467	1.8348
4.0	2.3263	1.3781	1.04	.4557	2.1945	1.9000	.5591	2.5353	2.6428	16.3959	34.2850	4.1323	.4591	1.7959
4.0	2.3263	1.3781	1.04	.4557	2.1945	1.9300	.5285	2.6039	2.6998	15.3136	33.6018	3.8533	.4710	1.7568
4.0	2.3263	1.3781	1.04	.4557	2.1945	1.9600	.4951	2.6747	2.7587	14.1762	32.9699	3.5743	.4823	1.7172
4.0	2.3263	1.3781	1.04	.4557	2.1945	1.9900	.4585	2.7479	2.8199	12.9746	32.4154	3.2954	.4926	1.6771
4.0	2.3263	1.3781	1.04	.4557	2.1945	2.0200	.4182	2.8239	2.8837	11.6971	31.9818	3.0164	.5016	1.6363
4.0	2.3263	1.3781	1.04	.4557	2.1945	2.0500	.3736	2.9029	2.9507	10.3278	31.7465	2.7374	.5090	1.5947
4.0	2.3263	1.3781	1.04	.4557	2.1945	2.0800	.3237	2.9857	3.0216	8.8450	31.8584	2.4585	.5142	1.5520
4.0	2.3263	1.3781	1.04	.4557	2.1945	2.1100	.2672	3.0729	3.0975	7.2160	32.6445	2.1795	.5168	1.5077
4.0	2.3263	1.3781	1.04	.4557	2.1945	2.1400	.2017	3.1658	3.1798	5.3851	34.9794	1.9006	.5161	1.4612
4.0	2.3263	1.3781	1.04	.4557	2.1945	2.1700	.1220	3.2661	3.2713	3.2190	42.3238	1.6216	.5115	1.4116

4.0	2.3263	1.3781	1.08	.4834	2.0686	.4900	.0985	.4646	.4739	11.3692	86.7748	17.0683	.0981	3.8365
4.0	2.3263	1.3781	1.08	.4834	2.0686	.5200	.2299	.4955	.5417	23.8530	82.3796	16.7786	.1006	3.7985
4.0	2.3263	1.3781	1.08	.4834	2.0686	.5500	.3070	.5267	.6032	29.1676	79.6960	16.4890	.1033	3.7605
4.0	2.3263	1.3781	1.08	.4834	2.0686	.5800	.3658	.5582	.6600	32.2402	77.5615	16.1993	.1061	3.7225
4.0	2.3263	1.3781	1.08	.4834	2.0686	.6100	.4143	.5901	.7134	34.1818	75.7274	15.9096	.1089	3.6845
4.0	2.3263	1.3781	1.08	.4834	2.0686	.6400	.4557	.6224	.7640	35.4505	74.0891	15.6199	.1118	3.6465
4.0	2.3263	1.3781	1.08	.4834	2.0686	.6700	.4918	.6550	.8125	36.2802	72.5911	15.3302	.1149	3.6084
4.0	2.3263	1.3781	1.08	.4834	2.0686	.7000	.5238	.6879	.8592	36.8051	71.1995	15.0405	.1180	3.5704
4.0	2.3263	1.3781	1.08	.4834	2.0686	.7300	.5523	.7213	.9044	37.1088	69.8921	14.7508	.1212	3.5323
4.0	2.3263	1.3781	1.08	.4834	2.0686	.7600	.5778	.7550	.9484	37.2462	68.6532	14.4611	.1245	3.4943
4.0	2.3263	1.3781	1.08	.4834	2.0686	.7900	.6008	.7891	.9914	37.2552	67.4712	14.1714	.1280	3.4562
4.0	2.3263	1.3781	1.08	.4834	2.0686	.8200	.6216	.8236	1.0335	37.1627	66.3375	13.8817	.1315	3.4181
4.0	2.3263	1.3781	1.08	.4834	2.0686	.8500	.6402	.8586	1.0749	36.9883	65.2452	13.5920	.1352	3.3800
4.0	2.3263	1.3781	1.08	.4834	2.0686	.8800	.6570	.8939	1.1156	36.7466	64.1891	13.3023	.1390	3.3419
4.0	2.3263	1.3781	1.08	.4834	2.0686	.9100	.6721	.9297	1.1558	36.4489	63.1645	13.0126	.1429	3.3037
4.0	2.3263	1.3781	1.08	.4834	2.0686	.9400	.6856	.9660	1.1956	36.1037	62.1680	12.7229	.1469	3.2656
4.0	2.3263	1.3781	1.08	.4834	2.0686	.9700	.6975	1.0027	1.2350	35.7177	61.1964	12.4332	.1511	3.2274
4.0	2.3263	1.3781	1.08	.4834	2.0686	1.0000	.7079	1.0399	1.2741	35.2963	60.2473	12.1435	.1554	3.1892
4.0	2.3263	1.3781	1.08	.4834	2.0686	1.0300	.7170	1.0775	1.3129	34.8436	59.3184	11.8539	.1598	3.1510
4.0	2.3263	1.3781	1.08	.4834	2.0686	1.0600	.7248	1.1157	1.3516	34.3632	58.4079	11.5642	.1644	3.1128
4.0	2.3263	1.3781	1.08	.4834	2.0686	1.0900	.7313	1.1544	1.3901	33.8575	57.5142	11.2745	.1691	3.0746
4.0	2.3263	1.3781	1.08	.4834	2.0686	1.1200	.7365	1.1936	1.4286	33.3289	56.6359	10.9848	.1739	3.0363
4.0	2.3263	1.3781	1.08	.4834	2.0686	1.1500	.7405	1.2334	1.4670	32.7791	55.7718	10.6951	.1789	2.9980
4.0	2.3263	1.3781	1.08	.4834	2.0686	1.1800	.7434	1.2737	1.5054	32.2093	54.9209	10.4054	.1840	2.9597
4.0	2.3263	1.3781	1.08	.4834	2.0686	1.2100	.7450	1.3146	1.5439	31.6206	54.0823	10.1157	.1893	2.9213
4.0	2.3263	1.3781	1.08	.4834	2.0686	1.2400	.7455	1.3562	1.5824	31.0138	53.2554	9.8260	.1947	2.8829
4.0	2.3263	1.3781	1.08	.4834	2.0686	1.2700	.7448	1.3983	1.6211	30.3894	52.4394	9.5363	.2003	2.8445
4.0	2.3263	1.3781	1.08	.4834	2.0686	1.3000	.7429	1.4412	1.6599	29.7478	51.6339	9.2466	.2060	2.8061
4.0	2.3263	1.3781	1.08	.4834	2.0686	1.3300	.7399	1.4846	1.6989	29.0891	50.8387	8.9569	.2119	2.7675
4.0	2.3263	1.3781	1.08	.4834	2.0686	1.3600	.7358	1.5288	1.7382	28.4133	50.0535	8.6672	.2179	2.7290
4.0	2.3263	1.3781	1.08	.4834	2.0686	1.3900	.7304	1.5737	1.7777	27.7201	49.2782	8.3775	.2240	2.6904
4.0	2.3263	1.3781	1.08	.4834	2.0686	1.4200	.7238	1.6193	1.8176	27.0094	48.5131	8.0878	.2303	2.6517
4.0	2.3263	1.3781	1.08	.4834	2.0686	1.4500	.7160	1.6658	1.8578	26.2804	47.7583	7.7981	.2366	2.6130
4.0	2.3263	1.3781	1.08	.4834	2.0686	1.4800	.7070	1.7130	1.8984	25.5325	47.0146	7.5084	.2431	2.5742
4.0	2.3263	1.3781	1.08	.4834	2.0686	1.5100	.6966	1.7611	1.9394	24.7649	46.2826	7.2188	.2496	2.5353
4.0	2.3263	1.3781	1.08	.4834	2.0686	1.5400	.6849	1.8100	1.9809	23.9764	45.5636	6.9291	.2563	2.4964
4.0	2.3263	1.3781	1.08	.4834	2.0686	1.5700	.6718	1.8599	2.0230	23.1658	44.8593	6.6394	.2629	2.4573
4.0	2.3263	1.3781	1.08	.4834	2.0686	1.6000	.6572	1.9107	2.0656	22.3315	44.1717	6.3497	.2696	2.4181
4.0	2.3263	1.3781	1.08	.4834	2.0686	1.6300	.6411	1.9626	2.1089	21.4716	43.5039	6.0600	.2762	2.3788
4.0	2.3263	1.3781	1.08	.4834	2.0686	1.6600	.6234	2.0155	2.1529	20.5839	42.8597	5.7703	.2828	2.3393
4.0	2.3263	1.3781	1.08	.4834	2.0686	1.6900	.6040	2.0695	2.1977	19.6659	42.2444	5.4806	.2892	2.2997
4.0	2.3263	1.3781	1.08	.4834	2.0686	1.7200	.5827	2.1247	2.2433	18.7143	41.6652	5.1909	.2955	2.2598
4.0	2.3263	1.3781	1.08	.4834	2.0686	1.7500	.5594	2.1812	2.2899	17.7255	41.1318	4.9012	.3015	2.2198
4.0	2.3263	1.3781	1.08	.4834	2.0686	1.7800	.5338	2.2391	2.3376	16.6948	40.6581	4.6115	.3072	2.1794
4.0	2.3263	1.3781	1.08	.4834	2.0686	1.8100	.5059	2.2983	2.3864	15.6164	40.2638	4.3218	.3124	2.1387
4.0	2.3263	1.3781	1.08	.4834	2.0686	1.8400	.4753	2.3592	2.4367	14.4835	39.9779	4.0321	.3170	2.0976
4.0	2.3263	1.3781	1.08	.4834	2.0686	1.8700	.4416	2.4218	2.4884	13.2867	39.8447	3.7424	.3209	2.0560
4.0	2.3263	1.3781	1.08	.4834	2.0686	1.9000	.4043	2.4863	2.5420	12.0139	39.9352	3.4527	.3239	2.0138
4.0	2.3263	1.3781	1.08	.4834	2.0686	1.9300	.3629	2.5530	2.5977	10.6485	40.3694	3.1630	.3258	1.9709
4.0	2.3263	1.3781	1.08	.4834	2.0686	1.9600	.3162	2.6221	2.6560	9.1657	41.3687	2.8734	.3264	1.9269
4.0	2.3263	1.3781	1.08	.4834	2.0686	1.9900	.2629	2.6941	2.7175	7.5249	43.3909	2.5837	.3253	1.8816
4.0	2.3263	1.3781	1.08	.4834	2.0686	2.0200	.1997	2.7696	2.7831	5.6446	47.5812	2.2940	.3224	1.8345
4.0	2.3263	1.3781	1.08	.4834	2.0686	2.0500	.1171	2.8495	2.8542	3.2691	58.1523	2.0043	.3172	1.7848

4.0	2.3263	1.3781	1.12	.5135	1.9474	.5200	.0929	.4940	.5018	10.1295	86.8314	16.5927	.0970	4.1097
4.0	2.3263	1.3781	1.12	.5135	1.9474	.5500	.2179	.5250	.5647	21.6112	82.4693	16.2922	.0993	4.0703
4.0	2.3263	1.3781	1.12	.5135	1.9474	.5800	.2907	.5563	.6223	26.6242	79.8139	15.9918	.1016	4.0308
4.0	2.3263	1.3781	1.12	.5135	1.9474	.6100	.3461	.5880	.6761	29.5728	77.7045	15.6914	.1041	3.9913
4.0	2.3263	1.3781	1.12	.5135	1.9474	.6400	.3916	.6200	.7268	31.4588	75.8940	15.3910	.1066	3.9518
4.0	2.3263	1.3781	1.12	.5135	1.9474	.6700	.4302	.6523	.7752	32.7021	74.2785	15.0906	.1092	3.9123
4.0	2.3263	1.3781	1.12	.5135	1.9474	.7000	.4637	.6850	.8217	33.5200	72.8031	14.7901	.1118	3.8728
4.0	2.3263	1.3781	1.12	.5135	1.9474	.7300	.4931	.7180	.8665	34.0391	71.4342	14.4897	.1145	3.8332
4.0	2.3263	1.3781	1.12	.5135	1.9474	.7600	.5192	.7514	.9100	34.3390	70.1498	14.1893	.1173	3.7937
4.0	2.3263	1.3781	1.12	.5135	1.9474	.7900	.5424	.7852	.9525	34.4725	68.9345	13.8889	.1201	3.7541
4.0	2.3263	1.3781	1.12	.5135	1.9474	.8200	.5631	.8194	.9939	34.4763	67.7768	13.5884	.1231	3.7145
4.0	2.3263	1.3781	1.12	.5135	1.9474	.8500	.5815	.8539	1.0346	34.3766	66.6683	13.2880	.1261	3.6749
4.0	2.3263	1.3781	1.12	.5135	1.9474	.8800	.5979	.8888	1.0746	34.1927	65.6023	12.9876	.1291	3.6353
4.0	2.3263	1.3781	1.12	.5135	1.9474	.9100	.6124	.9242	1.1140	33.9390	64.5737	12.6872	.1323	3.5957
4.0	2.3263	1.3781	1.12	.5135	1.9474	.9400	.6252	.9600	1.1529	33.6265	63.5780	12.3867	.1355	3.5560
4.0	2.3263	1.3781	1.12	.5135	1.9474	.9700	.6363	.9962	1.1914	33.2638	62.6121	12.0863	.1388	3.5163
4.0	2.3263	1.3781	1.12	.5135	1.9474	1.0000	.6459	1.0328	1.2295	32.8575	61.6729	11.7859	.1422	3.4766
4.0	2.3263	1.3781	1.12	.5135	1.9474	1.0300	.6540	1.0700	1.2674	32.4129	60.7583	11.4855	.1457	3.4369
4.0	2.3263	1.3781	1.12	.5135	1.9474	1.0600	.6607	1.1075	1.3051	31.9342	59.8662	11.1851	.1492	3.3971
4.0	2.3263	1.3781	1.12	.5135	1.9474	1.0900	.6660	1.1456	1.3425	31.4247	58.9951	10.8846	.1528	3.3573
4.0	2.3263	1.3781	1.12	.5135	1.9474	1.1200	.6700	1.1842	1.3799	30.8869	58.1438	10.5842	.1565	3.3174
4.0	2.3263	1.3781	1.12	.5135	1.9474	1.1500	.6726	1.2233	1.4172	30.3229	57.3112	10.2838	.1602	3.2776
4.0	2.3263	1.3781	1.12	.5135	1.9474	1.1800	.6740	1.2629	1.4544	29.7343	56.4966	9.9834	.1640	3.2377
4.0	2.3263	1.3781	1.12	.5135	1.9474	1.2100	.6741	1.3031	1.4917	29.1223	55.6995	9.6829	.1679	3.1977
4.0	2.3263	1.3781	1.12	.5135	1.9474	1.2400	.6729	1.3438	1.5290	28.4877	54.9196	9.3825	.1718	3.1577
4.0	2.3263	1.3781	1.12	.5135	1.9474	1.2700	.6705	1.3852	1.5663	27.8311	54.1569	9.0821	.1757	3.1176
4.0	2.3263	1.3781	1.12	.5135	1.9474	1.3000	.6668	1.4271	1.6038	27.1527	53.4117	8.7817	.1797	3.0775
4.0	2.3263	1.3781	1.12	.5135	1.9474	1.3300	.6617	1.4697	1.6415	26.4526	52.6844	8.4812	.1837	3.0373
4.0	2.3263	1.3781	1.12	.5135	1.9474	1.3600	.6554	1.5129	1.6794	25.7305	51.9759	8.1808	.1878	2.9971
4.0	2.3263	1.3781	1.12	.5135	1.9474	1.3900	.6478	1.5567	1.7175	24.9860	51.2875	7.8804	.1918	2.9567
4.0	2.3263	1.3781	1.12	.5135	1.9474	1.4200	.6387	1.6013	1.7559	24.2183	50.6209	7.5800	.1959	2.9163
4.0	2.3263	1.3781	1.12	.5135	1.9474	1.4500	.6283	1.6466	1.7946	23.4264	49.9785	7.2796	.1999	2.8758
4.0	2.3263	1.3781	1.12	.5135	1.9474	1.4800	.6163	1.6927	1.8336	22.6092	49.3632	6.9791	.2038	2.8351
4.0	2.3263	1.3781	1.12	.5135	1.9474	1.5100	.6029	1.7396	1.8731	21.7650	48.7792	6.6787	.2077	2.7943
4.0	2.3263	1.3781	1.12	.5135	1.9474	1.5400	.5878	1.7873	1.9131	20.8918	48.2316	6.3783	.2114	2.7534
4.0	2.3263	1.3781	1.12	.5135	1.9474	1.5700	.5710	1.8358	1.9535	19.9873	47.7274	6.0779	.2150	2.7123
4.0	2.3263	1.3781	1.12	.5135	1.9474	1.6000	.5524	1.8853	1.9945	19.0485	47.2757	5.7774	.2184	2.6711
4.0	2.3263	1.3781	1.12	.5135	1.9474	1.6300	.5319	1.9358	2.0362	18.0720	46.8891	5.4770	.2216	2.6296
4.0	2.3263	1.3781	1.12	.5135	1.9474	1.6600	.5092	1.9873	2.0786	17.0531	46.5844	5.1766	.2245	2.5878
4.0	2.3263	1.3781	1.12	.5135	1.9474	1.6900	.4842	2.0398	2.1219	15.9865	46.3853	4.8762	.2271	2.5457
4.0	2.3263	1.3781	1.12	.5135	1.9474	1.7200	.4565	2.0936	2.1660	14.8650	46.3260	4.5757	.2292	2.5033
4.0	2.3263	1.3781	1.12	.5135	1.9474	1.7500	.4259	2.1486	2.2113	13.6794	46.4568	4.2753	.2308	2.4604
4.0	2.3263	1.3781	1.12	.5135	1.9474	1.7800	.3919	2.2049	2.2577	12.4171	46.8560	3.9749	.2318	2.4169
4.0	2.3263	1.3781	1.12	.5135	1.9474	1.8100	.3538	2.2628	2.3057	11.0603	47.6514	3.6745	.2321	2.3728
4.0	2.3263	1.3781	1.12	.5135	1.9474	1.8400	.3106	2.3224	2.3553	9.5817	49.0676	3.3741	.2315	2.3279
4.0	2.3263	1.3781	1.12	.5135	1.9474	1.8700	.2606	2.3840	2.4070	7.9338	51.5456	3.0736	.2299	2.2819
4.0	2.3263	1.3781	1.12	.5135	1.9474	1.9000	.2003	2.4478	2.4614	6.0167	56.1136	2.7732	.2272	2.2344
4.0	2.3263	1.3781	1.12	.5135	1.9474	1.9300	.1180	2.5144	2.5191	3.4975	66.2564	2.4728	.2232	2.1851

4.0	2.3263	1.3781	1.16	.5466	1.8294	.5500	.0633	.5234	.5269	6.5685	87.7473	16.0955	.0956	4.3921
4.0	2.3263	1.3781	1.16	.5466	1.8294	.5800	.1968	.5546	.5856	18.7426	82.8997	15.7844	.0976	4.3512
4.0	2.3263	1.3781	1.16	.5466	1.8294	.6100	.2677	.5860	.6400	23.6960	80.2000	15.4732	.0997	4.3102
4.0	2.3263	1.3781	1.16	.5466	1.8294	.6400	.3207	.6178	.6910	26.6147	78.0859	15.1621	.1018	4.2692
4.0	2.3263	1.3781	1.16	.5466	1.8294	.6700	.3636	.6499	.7395	28.4914	76.2840	14.8509	.1040	4.2282
4.0	2.3263	1.3781	1.16	.5466	1.8294	.7000	.3998	.6823	.7858	29.7346	74.6839	14.5398	.1062	4.1872
4.0	2.3263	1.3781	1.16	.5466	1.8294	.7300	.4310	.7151	.8304	30.5556	73.2281	14.2286	.1085	4.1462
4.0	2.3263	1.3781	1.16	.5466	1.8294	.7600	.4581	.7482	.8735	31.0775	71.8821	13.9175	.1108	4.1052
4.0	2.3263	1.3781	1.16	.5466	1.8294	.7900	.4818	.7816	.9155	31.3784	70.6231	13.6063	.1131	4.0641
4.0	2.3263	1.3781	1.16	.5466	1.8294	.8200	.5027	.8154	.9565	31.5101	69.4357	13.2952	.1155	4.0230
4.0	2.3263	1.3781	1.16	.5466	1.8294	.8500	.5211	.8496	.9966	31.5089	68.3085	12.9840	.1179	3.9819
4.0	2.3263	1.3781	1.16	.5466	1.8294	.8800	.5372	.8842	1.0359	31.4008	67.2329	12.6729	.1204	3.9407
4.0	2.3263	1.3781	1.16	.5466	1.8294	.9100	.5512	.9191	1.0746	31.2050	66.2025	12.3617	.1229	3.8996
4.0	2.3263	1.3781	1.16	.5466	1.8294	.9400	.5634	.9545	1.1128	30.9357	65.2122	12.0506	.1255	3.8584
4.0	2.3263	1.3781	1.16	.5466	1.8294	.9700	.5737	.9903	1.1505	30.6041	64.2581	11.7394	.1281	3.8171
4.0	2.3263	1.3781	1.16	.5466	1.8294	1.0000	.5824	1.0265	1.1879	30.2186	63.3370	11.4283	.1307	3.7759
4.0	2.3263	1.3781	1.16	.5466	1.8294	1.0300	.5895	1.0631	1.2249	29.7858	62.4466	11.1171	.1333	3.7345
4.0	2.3263	1.3781	1.16	.5466	1.8294	1.0600	.5951	1.1002	1.2617	29.3109	61.5848	10.8059	.1360	3.6932
4.0	2.3263	1.3781	1.16	.5466	1.8294	1.0900	.5992	1.1377	1.2982	28.7979	60.7505	10.4948	.1387	3.6518
4.0	2.3263	1.3781	1.16	.5466	1.8294	1.1200	.6018	1.1757	1.3347	28.2501	59.9425	10.1836	.1414	3.6104
4.0	2.3263	1.3781	1.16	.5466	1.8294	1.1500	.6030	1.2142	1.3710	27.6698	59.1603	9.8725	.1441	3.5689
4.0	2.3263	1.3781	1.16	.5466	1.8294	1.1800	.6028	1.2532	1.4072	27.0589	58.4039	9.5613	.1469	3.5273
4.0	2.3263	1.3781	1.16	.5466	1.8294	1.2100	.6011	1.2927	1.4434	26.4187	57.6734	9.2502	.1496	3.4857
4.0	2.3263	1.3781	1.16	.5466	1.8294	1.2400	.5981	1.3327	1.4796	25.7500	56.9697	8.9390	.1523	3.4440
4.0	2.3263	1.3781	1.16	.5466	1.8294	1.2700	.5936	1.3733	1.5159	25.0533	56.2940	8.6279	.1550	3.4022
4.0	2.3263	1.3781	1.16	.5466	1.8294	1.3000	.5878	1.4145	1.5523	24.3286	55.6479	8.3167	.1576	3.3604
4.0	2.3263	1.3781	1.16	.5466	1.8294	1.3300	.5804	1.4562	1.5889	23.5756	55.0342	8.0056	.1602	3.3184
4.0	2.3263	1.3781	1.16	.5466	1.8294	1.3600	.5715	1.4986	1.6256	22.7938	54.4559	7.6944	.1627	3.2764
4.0	2.3263	1.3781	1.16	.5466	1.8294	1.3900	.5611	1.5416	1.6625	21.9819	53.9175	7.3833	.1652	3.2342
4.0	2.3263	1.3781	1.16	.5466	1.8294	1.4200	.5490	1.5853	1.6997	21.1385	53.4248	7.0721	.1675	3.1919
4.0	2.3263	1.3781	1.16	.5466	1.8294	1.4500	.5353	1.6297	1.7372	20.2616	52.9850	6.7610	.1697	3.1494
4.0	2.3263	1.3781	1.16	.5466	1.8294	1.4800	.5197	1.6748	1.7750	19.3486	52.6080	6.4498	.1717	3.1068
4.0	2.3263	1.3781	1.16	.5466	1.8294	1.5100	.5022	1.7206	1.8133	18.3964	52.3068	6.1387	.1736	3.0639
4.0	2.3263	1.3781	1.16	.5466	1.8294	1.5400	.4826	1.7673	1.8520	17.4007	52.0988	5.8275	.1752	3.0208
4.0	2.3263	1.3781	1.16	.5466	1.8294	1.5700	.4608	1.8148	1.8913	16.3562	52.0082	5.5164	.1766	2.9774
4.0	2.3263	1.3781	1.16	.5466	1.8294	1.6000	.4364	1.8632	1.9313	15.2561	52.0684	5.2052	.1777	2.9337
4.0	2.3263	1.3781	1.16	.5466	1.8294	1.6300	.4092	1.9126	1.9719	14.0912	52.3283	4.8941	.1784	2.8896
4.0	2.3263	1.3781	1.16	.5466	1.8294	1.6600	.3786	1.9629	2.0134	12.8489	52.8611	4.5829	.1787	2.8451
4.0	2.3263	1.3781	1.16	.5466	1.8294	1.6900	.3442	2.0145	2.0558	11.5107	53.7822	4.2717	.1785	2.8000
4.0	2.3263	1.3781	1.16	.5466	1.8294	1.7200	.3048	2.0672	2.0994	10.0482	55.2868	3.9606	.1777	2.7542
4.0	2.3263	1.3781	1.16	.5466	1.8294	1.7500	.2588	2.1213	2.1443	8.4114	57.7375	3.6494	.1763	2.7076
4.0	2.3263	1.3781	1.16	.5466	1.8294	1.7800	.2026	2.1769	2.1910	6.4948	61.9263	3.3383	.1742	2.6598
4.0	2.3263	1.3781	1.16	.5466	1.8294	1.8100	.1254	2.2344	2.2397	3.9634	70.2838	3.0271	.1713	2.6107
4.0	2.3263	1.3781	1.20	.5837	1.7131	.5900	.0807	.5634	.5686	7.7898	86.9874	15.4697	.0945	4.6695
4.0	2.3263	1.3781	1.20	.5837	1.7131	.6200	.1916	.5947	.6225	17.1696	82.7397	15.1478	.0963	4.6271
4.0	2.3263	1.3781	1.20	.5837	1.7131	.6500	.2552	.6264	.6729	21.4331	80.1764	14.8259	.0981	4.5846
4.0	2.3263	1.3781	1.20	.5837	1.7131	.6800	.3029	.6583	.7207	24.0111	78.1497	14.5040	.0999	4.5421
4.0	2.3263	1.3781	1.20	.5837	1.7131	.7100	.3415	.6906	.7664	25.6886	76.4179	14.1821	.1018	4.4996
4.0	2.3263	1.3781	1.20	.5837	1.7131	.7400	.3738	.7232	.8103	26.8028	74.8802	13.8602	.1036	4.4570
4.0	2.3263	1.3781	1.20	.5837	1.7131	.7700	.4014	.7562	.8528	27.5332	73.4829	13.5384	.1055	4.4145
4.0	2.3263	1.3781	1.20	.5837	1.7131	.8000	.4251	.7895	.8940	27.9865	72.1940	13.2165	.1074	4.3719
4.0	2.3263	1.3781	1.20	.5837	1.7131	.8300	.4456	.8231	.9342	28.2316	70.9922	12.8946	.1094	4.3292
4.0	2.3263	1.3781	1.20	.5837	1.7131	.8600	.4634	.8571	.9735	28.3149	69.8630	12.5727	.1113	4.2866
4.0	2.3263	1.3781	1.20	.5837	1.7131	.8900	.4786	.8914	1.0121	28.2691	68.7959	12.2508	.1133	4.2439
4.0	2.3263	1.3781	1.20	.5837	1.7131	.9200	.4916	.9261	1.0501	28.1180	67.7832	11.9290	.1152	4.2011
4.0	2.3263	1.3781	1.20	.5837	1.7131	.9500	.5026	.9612	1.0875	27.8791	66.8191	11.6071	.1172	4.1584
4.0	2.3263	1.3781	1.20	.5837	1.7131	.9800	.5116	.9967	1.1244	27.5657	65.8995	11.2852	.1192	4.1155
4.0	2.3263	1.3781	1.20	.5837	1.7131	1.0100	.5188	1.0327	1.1609	27.1878	65.0210	10.9633	.1212	4.0727
4.0	2.3263	1.3781	1.20	.5837	1.7131	1.0400	.5243	1.0690	1.1971	26.7532	64.1817	10.6414	.1231	4.0297
4.0	2.3263	1.3781	1.20	.5837	1.7131	1.0700	.5281	1.1057	1.2331	26.2679	63.3799	10.3196	.1251	3.9868
4.0	2.3263	1.3781	1.20	.5837	1.7131	1.1000	.5303	1.1429	1.2688	25.7366	62.6150	9.9977	.1270	3.9437
4.0	2.3263	1.3781	1.20	.5837	1.7131	1.1300	.5308	1.1805	1.3043	25.1627	61.8870	9.6758	.1289	3.9006
4.0	2.3263	1.3781	1.20	.5837	1.7131	1.1600	.5298	1.2187	1.3398	24.5487	61.1967	9.3539	.1308	3.8574
4.0	2.3263	1.3781	1.20	.5837	1.7131	1.1900	.5272	1.2572	1.3751	23.8965	60.5453	9.0320	.1326	3.8141
4.0	2.3263	1.3781	1.20	.5837	1.7131	1.2200	.5231	1.2963	1.4105	23.2071	59.9353	8.7101	.1344	3.7708
4.0	2.3263	1.3781	1.20	.5837	1.7131	1.2500	.5173	1.3359	1.4458	22.4811	59.3699	8.3883	.1361	3.7273
4.0	2.3263	1.3781	1.20	.5837	1.7131	1.2800	.5098	1.3761	1.4812	21.7183	58.8534	8.0664	.1377	3.6837
4.0	2.3263	1.3781	1.20	.5837	1.7131	1.3100	.5007	1.4168	1.5167	20.9180	58.3917	7.7445	.1393	3.6400
4.0	2.3263	1.3781	1.20	.5837	1.7131	1.3400	.4898	1.4580	1.5524	20.0788	57.9926	7.4226	.1407	3.5961
4.0	2.3263	1.3781	1.20	.5837	1.7131	1.3700	.4770	1.4999	1.5882	19.1986	57.6662	7.1007	.1419	3.5521
4.0	2.3263	1.3781	1.20	.5837	1.7131	1.4000	.4623	1.5423	1.6243	18.2746	57.4261	6.7789	.1431	3.5078
4.0	2.3263	1.3781	1.20	.5837	1.7131	1.4300	.4455	1.5855	1.6606	17.3027	57.2902	6.4570	.1440	3.4634
4.0	2.3263	1.3781	1.20	.5837	1.7131	1.4600	.4263	1.6293	1.6973	16.2777	57.2832	6.1351	.1448	3.4187
4.0	2.3263	1.3781	1.20	.5837	1.7131	1.4900	.4046	1.6738	1.7344	15.1924	57.4392	5.8132	.1453	3.3737
4.0	2.3263	1.3781	1.20	.5837	1.7131	1.5200	.3800	1.7191	1.7720	14.0370	57.8071	5.4913	.1455	3.3283
4.0	2.3263	1.3781	1.20	.5837	1.7131	1.5500	.3521	1.7652	1.8102	12.7976	58.4593	5.1694	.1455	3.2826
4.0	2.3263	1.3781	1.20	.5837	1.7131	1.5800	.3201	1.8122	1.8490	11.4531	59.5090	4.8476	.1451	3.2363
4.0	2.3263	1.3781	1.20	.5837	1.7131	1.6100	.2830	1.8601	1.8886	9.9699	61.1448	4.5257	.1443	3.1895
4.0	2.3263	1.3781	1.20	.5837	1.7131	1.6400	.2389	1.9090	1.9292	8.2866	63.7159	4.2038	.1430	3.1420
4.0	2.3263	1.3781	1.20	.5837	1.7131	1.6700	.1833	1.9591	1.9709	6.2644	67.9954	3.8819	.1412	3.0935
4.0	2.3263	1.3781	1.20	.5837	1.7131	1.7000	.1006	2.0105	2.0140	3.3871	76.6396	3.5600	.1389	3.0440
4.0	2.3263	1.3781	1.24	.6265	1.5963	.6300	.0562	.6034	.6058	5.0992	87.7936	14.8152	.0930	4.9550
4.0	2.3263	1.3781	1.24	.6265	1.5963	.6600	.1702	.6350	.6558	14.4612	83.2079	14.4826	.0945	4.9111
4.0	2.3263	1.3781	1.24	.6265	1.5963	.6900	.2303	.6669	.7030	18.4552	80.6538	14.1499	.0960	4.8670
4.0	2.3263	1.3781	1.24	.6265	1.5963	.7200	.2744	.6990	.7481	20.8657	78.6648	13.8173	.0975	4.8230
4.0	2.3263	1.3781	1.24	.6265	1.5963	.7500	.3096	.7315	.7914	22.4323	76.9810	13.4847	.0990	4.7789
4.0	2.3263	1.3781	1.24	.6265	1.5963	.7800	.3386	.7643	.8332	23.4669	75.4975	13.1521	.1005	4.7348
4.0	2.3263	1.3781	1.24	.6265	1.5963	.8100	.3629	.7974	.8738	24.1349	74.1596	12.8195	.1021	4.6906
4.0	2.3263	1.3781	1.24	.6265	1.5963	.8400	.3834	.8309	.9133	24.5354	72.9351	12.4869	.1036	4.6464
4.0	2.3263	1.3781	1.24	.6265	1.5963	.8700	.4007	.8647	.9520	24.7322	71.8031	12.1543	.1051	4.6022
4.0	2.3263	1.3781	1.24	.6265	1.5963	.9000	.4153	.8988	.9899	24.7687	70.7496	11.8217	.1066	4.5579
4.0	2.3263	1.3781	1.24	.6265	1.5963	.9300	.4273	.9333	1.0271	24.6756	69.7648	11.4891	.1081	4.5136

4.0	2.3263	1.3781	1.24	.6265	1.5963	.9600	.4370	.9682	1.0638	24.4752	68.8421	11.1564	.1095	4.4692
4.0	2.3263	1.3781	1.24	.6265	1.5963	.9900	.4446	1.0035	1.1000	24.1838	67.9766	10.8238	.1110	4.4247
4.0	2.3263	1.3781	1.24	.6265	1.5963	1.0200	.4502	1.0391	1.1358	23.8136	67.1656	10.4912	.1124	4.3802
4.0	2.3263	1.3781	1.24	.6265	1.5963	1.0500	.4538	1.0752	1.1713	23.3741	66.4073	10.1586	.1137	4.3356
4.0	2.3263	1.3781	1.24	.6265	1.5963	1.0800	.4556	1.1116	1.2065	22.8721	65.7017	9.8260	.1151	4.2909
4.0	2.3263	1.3781	1.24	.6265	1.5963	1.1100	.4555	1.1485	1.2415	22.3128	65.0494	9.4934	.1163	4.2462
4.0	2.3263	1.3781	1.24	.6265	1.5963	1.1400	.4537	1.1858	1.2763	21.6997	64.4529	9.1608	.1176	4.2013
4.0	2.3263	1.3781	1.24	.6265	1.5963	1.1700	.4500	1.2236	1.3110	21.0355	63.9156	8.8282	.1187	4.1563
4.0	2.3263	1.3781	1.24	.6265	1.5963	1.2000	.4444	1.2618	1.3456	20.3212	63.4427	8.4956	.1198	4.1112
4.0	2.3263	1.3781	1.24	.6265	1.5963	1.2300	.4369	1.3006	1.3802	19.5573	63.0415	8.1629	.1207	4.0660
4.0	2.3263	1.3781	1.24	.6265	1.5963	1.2600	.4275	1.3398	1.4148	18.7428	62.7215	7.8303	.1216	4.0206
4.0	2.3263	1.3781	1.24	.6265	1.5963	1.2900	.4161	1.3795	1.4495	17.8758	62.4958	7.4977	.1223	3.9751
4.0	2.3263	1.3781	1.24	.6265	1.5963	1.3200	.4024	1.4198	1.4843	16.9532	62.3819	7.1651	.1229	3.9293
4.0	2.3263	1.3781	1.24	.6265	1.5963	1.3500	.3863	1.4606	1.5193	15.9698	62.4034	6.8325	.1233	3.8833
4.0	2.3263	1.3781	1.24	.6265	1.5963	1.3800	.3677	1.5021	1.5545	14.9186	62.5931	6.4999	.1236	3.8371
4.0	2.3263	1.3781	1.24	.6265	1.5963	1.4100	.3460	1.5441	1.5899	13.7893	62.9979	6.1673	.1236	3.7905
4.0	2.3263	1.3781	1.24	.6265	1.5963	1.4400	.3210	1.5868	1.6258	12.5665	63.6865	5.8347	.1234	3.7436
4.0	2.3263	1.3781	1.24	.6265	1.5963	1.4700	.2918	1.6302	1.6620	11.2266	64.7657	5.5021	.1230	3.6963
4.0	2.3263	1.3781	1.24	.6265	1.5963	1.5000	.2572	1.6744	1.6988	9.7300	66.4132	5.1694	.1223	3.6485
4.0	2.3263	1.3781	1.24	.6265	1.5963	1.5300	.2151	1.7193	1.7362	8.0010	68.9609	4.8368	.1212	3.6001
4.0	2.3263	1.3781	1.24	.6265	1.5963	1.5600	.1600	1.7651	1.7743	5.8559	73.1750	4.5042	.1198	3.5509
4.0	2.3263	1.3781	1.24	.6265	1.5963	1.5900	.0667	1.8118	1.8134	2.4029	82.3856	4.1716	.1180	3.5009
4.0	2.3263	1.3781	1.28	.6777	1.4756	.6800	.0409	.6542	.6554	3.4462	88.2957	14.0176	.0914	5.2334
4.0	2.3263	1.3781	1.28	.6777	1.4756	.7100	.1507	.6861	.7013	11.9797	83.6146	13.6743	.0926	5.1878
4.0	2.3263	1.3781	1.28	.6777	1.4756	.7400	.2049	.7182	.7452	15.4747	81.1528	13.3309	.0938	5.1422
4.0	2.3263	1.3781	1.28	.6777	1.4756	.7700	.2439	.7507	.7874	17.5783	79.2610	12.9876	.0950	5.0965
4.0	2.3263	1.3781	1.28	.6777	1.4756	.8000	.2744	.7834	.8283	18.9330	77.6773	12.6443	.0962	5.0508
4.0	2.3263	1.3781	1.28	.6777	1.4756	.8300	.2990	.8165	.8679	19.8082	76.2983	12.3009	.0973	5.0051
4.0	2.3263	1.3781	1.28	.6777	1.4756	.8600	.3189	.8499	.9065	20.3473	75.0710	11.9576	.0985	4.9593
4.0	2.3263	1.3781	1.28	.6777	1.4756	.8900	.3352	.8837	.9443	20.6366	73.9648	11.6142	.0996	4.9134
4.0	2.3263	1.3781	1.28	.6777	1.4756	.9200	.3482	.9178	.9813	20.7319	72.9606	11.2709	.1006	4.8675
4.0	2.3263	1.3781	1.28	.6777	1.4756	.9500	.3584	.9522	1.0177	20.6715	72.0464	10.9275	.1017	4.8215
4.0	2.3263	1.3781	1.28	.6777	1.4756	.9800	.3661	.9870	1.0536	20.4821	71.2148	10.5842	.1027	4.7754
4.0	2.3263	1.3781	1.28	.6777	1.4756	1.0100	.3713	1.0222	1.0891	20.1830	70.4616	10.2409	.1036	4.7292
4.0	2.3263	1.3781	1.28	.6777	1.4756	1.0400	.3742	1.0577	1.1241	19.7882	69.7855	9.8975	.1045	4.6829
4.0	2.3263	1.3781	1.28	.6777	1.4756	1.0700	.3749	1.0937	1.1588	19.3076	69.1874	9.5542	.1053	4.6366
4.0	2.3263	1.3781	1.28	.6777	1.4756	1.1000	.3734	1.1300	1.1933	18.7485	68.6708	9.2108	.1061	4.5901
4.0	2.3263	1.3781	1.28	.6777	1.4756	1.1300	.3697	1.1668	1.2276	18.1152	68.2416	8.8675	.1067	4.5435
4.0	2.3263	1.3781	1.28	.6777	1.4756	1.1600	.3637	1.2040	1.2618	17.4102	67.9088	8.5242	.1073	4.4967
4.0	2.3263	1.3781	1.28	.6777	1.4756	1.1900	.3555	1.2416	1.2958	16.6337	67.6851	8.1808	.1078	4.4498
4.0	2.3263	1.3781	1.28	.6777	1.4756	1.2200	.3449	1.2797	1.3298	15.7839	67.5883	7.8375	.1081	4.4027
4.0	2.3263	1.3781	1.28	.6777	1.4756	1.2500	.3316	1.3183	1.3638	14.8565	67.6430	7.4941	.1083	4.3554
4.0	2.3263	1.3781	1.28	.6777	1.4756	1.2800	.3154	1.3573	1.3979	13.8436	67.8841	7.1508	.1084	4.3078
4.0	2.3263	1.3781	1.28	.6777	1.4756	1.3100	.2960	1.3969	1.4321	12.7331	68.3618	6.8075	.1083	4.2600
4.0	2.3263	1.3781	1.28	.6777	1.4756	1.3400	.2727	1.4370	1.4665	11.5049	69.1520	6.4641	.1080	4.2118
4.0	2.3263	1.3781	1.28	.6777	1.4756	1.3700	.2447	1.4778	1.5011	10.1257	70.3759	6.1208	.1076	4.1633
4.0	2.3263	1.3781	1.28	.6777	1.4756	1.4000	.2101	1.5191	1.5361	8.5339	72.2478	5.7774	.1069	4.1144
4.0	2.3263	1.3781	1.28	.6777	1.4756	1.4300	.1653	1.5610	1.5714	6.5922	75.2161	5.4341	.1059	4.0649
4.0	2.3263	1.3781	1.28	.6777	1.4756	1.4600	.0977	1.6037	1.6073	3.8266	80.6978	5.0908	.1047	4.0148
4.0	2.3263	1.3781	1.32	.7441	1.3439	.7500	.0567	.7267	.7288	4.3198	87.4554	12.9483	.0898	5.4870
4.0	2.3263	1.3781	1.32	.7441	1.3439	.7800	.1358	.7590	.7705	9.8797	83.7719	12.5942	.0907	5.4398
4.0	2.3263	1.3781	1.32	.7441	1.3439	.8100	.1788	.7917	.8108	12.4496	81.6260	12.2401	.0916	5.3925
4.0	2.3263	1.3781	1.32	.7441	1.3439	.8400	.2093	.8246	.8498	13.9884	79.9839	11.8860	.0924	5.3451
4.0	2.3263	1.3781	1.32	.7441	1.3439	.8700	.2321	.8579	.8879	14.9403	78.6336	11.5320	.0932	5.2976
4.0	2.3263	1.3781	1.32	.7441	1.3439	.9000	.2496	.8915	.9251	15.5001	77.4888	11.1779	.0939	5.2501
4.0	2.3263	1.3781	1.32	.7441	1.3439	.9300	.2627	.9254	.9616	15.7740	76.5065	10.8238	.0946	5.2025
4.0	2.3263	1.3781	1.32	.7441	1.3439	.9600	.2721	.9597	.9975	15.8266	75.6637	10.4698	.0952	5.1548
4.0	2.3263	1.3781	1.32	.7441	1.3439	.9900	.2783	.9943	1.0328	15.6997	74.9485	10.1157	.0958	5.1070
4.0	2.3263	1.3781	1.32	.7441	1.3439	1.0200	.2814	1.0293	1.0677	15.4212	74.3569	9.7616	.0963	5.0591
4.0	2.3263	1.3781	1.32	.7441	1.3439	1.0500	.2815	1.0646	1.1022	15.0096	73.8907	9.4076	.0967	5.0110
4.0	2.3263	1.3781	1.32	.7441	1.3439	1.0800	.2788	1.1003	1.1364	14.4763	73.5576	9.0535	.0970	4.9628
4.0	2.3263	1.3781	1.32	.7441	1.3439	1.1100	.2732	1.1365	1.1704	13.8274	73.3718	8.6994	.0973	4.9144
4.0	2.3263	1.3781	1.32	.7441	1.3439	1.1400	.2645	1.1730	1.2041	13.0635	73.3554	8.3453	.0974	4.8659
4.0	2.3263	1.3781	1.32	.7441	1.3439	1.1700	.2525	1.2099	1.2378	12.1796	73.5418	7.9913	.0975	4.8171
4.0	2.3263	1.3781	1.32	.7441	1.3439	1.2000	.2368	1.2473	1.2714	11.1627	73.9817	7.6372	.0974	4.7681
4.0	2.3263	1.3781	1.32	.7441	1.3439	1.2300	.2166	1.2851	1.3049	9.9877	74.7552	7.2831	.0971	4.7189
4.0	2.3263	1.3781	1.32	.7441	1.3439	1.2600	.1907	1.3235	1.3385	8.6066	75.9987	6.9291	.0967	4.6693
4.0	2.3263	1.3781	1.32	.7441	1.3439	1.2900	.1565	1.3623	1.3723	6.9154	77.9798	6.5750	.0962	4.6194
4.0	2.3263	1.3781	1.32	.7441	1.3439	1.3200	.1064	1.4016	1.4062	4.6103	81.4118	6.2209	.0954	4.5690
4.0	2.3263	1.3781	1.36	.8496	1.1770	.8500	.0102	.8328	.8329	.6857	89.4909	11.4640	.0876	5.6959
4.0	2.3263	1.3781	1.36	.8496	1.1770	.8800	.0900	.8660	.8705	5.8415	85.3829	11.0992	.0881	5.6468
4.0	2.3263	1.3781	1.36	.8496	1.1770	.9100	.1201	.8994	.9072	7.5211	83.6801	10.7344	.0885	5.5975
4.0	2.3263	1.3781	1.36	.8496	1.1770	.9400	.1382	.9332	.9432	8.3649	82.5347	10.3696	.0888	5.5482
4.0	2.3263	1.3781	1.36	.8496	1.1770	.9700	.1488	.9673	.9786	8.7190	81.7407	10.0048	.0891	5.4987
4.0	2.3263	1.3781	1.36	.8496	1.1770	1.0000	.1534	1.0018	1.0135	8.7204	81.2348	9.6400	.0893	5.4491
4.0	2.3263	1.3781	1.36	.8496	1.1770	1.0300	.1527	1.0366	1.0479	8.4330	81.0062	9.2752	.0894	5.3993
4.0	2.3263	1.3781	1.36	.8496	1.1770	1.0600	.1467	1.0717	1.0819	7.8803	81.0803	8.9104	.0894	5.3493
4.0	2.3263	1.3781	1.36	.8496	1.1770	1.0900	.1348	1.1073	1.1157	7.0511	81.5249	8.5456	.0893	5.2992
4.0	2.3263	1.3781	1.36	.8496	1.1770	1.1200	.1153	1.1432	1.1492	5.8798	82.4889	8.1808	.0891	5.2488
4.0	2.3263	1.3781	1.36	.8496	1.1770	1.1500	.0833	1.1795	1.1826	4.1447	84.3664	7.8160	.0888	5.1982

PROPERTIES OF AN OBLIQUE DETONATION WAVE GAMMA = 1.3

M1	M1*	DELMAX	DEL	XMIN	XMAX	X(M2U*)	Y(M2V*)	M2U	M2	THETA	SIGMA	PR21	PTR21	TR21
5.0	2.4602	1.4333	1.00	.4065	2.4602	.4100	.0834	.3868	.3947	11.4922	87.6718	28.0838	.0363	4.6415
5.0	2.4602	1.4333	1.00	.4065	2.4602	.4600	.3204	.4380	.5338	34.8611	80.8985	27.4233	.0384	4.5553
5.0	2.4602	1.4333	1.00	.4065	2.4602	.5100	.4398	.4903	.6474	40.7726	77.2918	26.7628	.0407	4.4690
5.0	2.4602	1.4333	1.00	.4065	2.4602	.5600	.5284	.5436	.7474	43.3350	74.4611	26.1023	.0432	4.3827
5.0	2.4602	1.4333	1.00	.4065	2.4602	.6100	.5999	.5981	.8389	44.5236	72.0345	25.4417	.0459	4.2965
5.0	2.4602	1.4333	1.00	.4065	2.4602	.6600	.6601	.6537	.9246	45.0032	69.8638	24.7812	.0488	4.2102
5.0	2.4602	1.4333	1.00	.4065	2.4602	.7100	.7117	.7106	1.0061	45.0675	67.8723	24.1207	.0520	4.1239
5.0	2.4602	1.4333	1.00	.4065	2.4602	.7600	.7565	.7687	1.0846	44.8673	66.0139	23.4602	.0554	4.0376
5.0	2.4602	1.4333	1.00	.4065	2.4602	.8100	.7957	.8282	1.1609	44.4885	64.2585	22.7997	.0592	3.9513
5.0	2.4602	1.4333	1.00	.4065	2.4602	.8600	.8300	.8890	1.2356	43.9831	62.5850	22.1392	.0632	3.8649
5.0	2.4602	1.4333	1.00	.4065	2.4602	.9100	.8601	.9514	1.3091	43.3847	60.9777	21.4787	.0676	3.7786
5.0	2.4602	1.4333	1.00	.4065	2.4602	.9600	.8863	1.0154	1.3820	42.7154	59.4249	20.8182	.0725	3.6923
5.0	2.4602	1.4333	1.00	.4065	2.4602	1.0100	.9091	1.0810	1.4544	41.9906	57.9172	20.1576	.0778	3.6059
5.0	2.4602	1.4333	1.00	.4065	2.4602	1.0600	.9286	1.1483	1.5267	41.2209	56.4470	19.4971	.0835	3.5196
5.0	2.4602	1.4333	1.00	.4065	2.4602	1.1100	.9451	1.2175	1.5991	40.4138	55.0081	18.8366	.0899	3.4332
5.0	2.4602	1.4333	1.00	.4065	2.4602	1.1600	.9588	1.2887	1.6719	39.5747	53.5950	18.1761	.0969	3.3468
5.0	2.4602	1.4333	1.00	.4065	2.4602	1.2100	.9697	1.3619	1.7453	38.7075	52.2031	17.5156	.1045	3.2604
5.0	2.4602	1.4333	1.00	.4065	2.4602	1.2600	.9779	1.4374	1.8195	37.8147	50.8285	16.8551	.1130	3.1739
5.0	2.4602	1.4333	1.00	.4065	2.4602	1.3100	.9835	1.5152	1.8947	36.8981	49.4673	16.1946	.1224	3.0875
5.0	2.4602	1.4333	1.00	.4065	2.4602	1.3600	.9866	1.5955	1.9712	35.9586	48.1163	15.5341	.1328	3.0010
5.0	2.4602	1.4333	1.00	.4065	2.4602	1.4100	.9872	1.6786	2.0491	34.9968	46.7721	14.8735	.1443	2.9145
5.0	2.4602	1.4333	1.00	.4065	2.4602	1.4600	.9852	1.7645	2.1287	34.0124	45.4319	14.2130	.1572	2.8279
5.0	2.4602	1.4333	1.00	.4065	2.4602	1.5100	.9808	1.8535	2.2102	33.0050	44.0926	13.5525	.1715	2.7413
5.0	2.4602	1.4333	1.00	.4065	2.4602	1.5600	.9738	1.9459	2.2939	31.9736	42.7514	12.8920	.1875	2.6547
5.0	2.4602	1.4333	1.00	.4065	2.4602	1.6100	.9642	2.0419	2.3800	30.9166	41.4051	12.2315	.2054	2.5680
5.0	2.4602	1.4333	1.00	.4065	2.4602	1.6600	.9519	2.1417	2.4689	29.8324	40.0509	11.5710	.2255	2.4813
5.0	2.4602	1.4333	1.00	.4065	2.4602	1.7100	.9369	2.2459	2.5609	28.7183	38.6853	10.9105	.2481	2.3945
5.0	2.4602	1.4333	1.00	.4065	2.4602	1.7600	.9190	2.3547	2.6563	27.5715	37.3050	10.2499	.2736	2.3076
5.0	2.4602	1.4333	1.00	.4065	2.4602	1.8100	.8980	2.4686	2.7557	26.3882	35.9061	9.5894	.3023	2.2206
5.0	2.4602	1.4333	1.00	.4065	2.4602	1.8600	.8738	2.5880	2.8594	25.1639	34.4844	8.9289	.3348	2.1335
5.0	2.4602	1.4333	1.00	.4065	2.4602	1.9100	.8461	2.7137	2.9680	23.8930	33.0350	8.2684	.3715	2.0462
5.0	2.4602	1.4333	1.00	.4065	2.4602	1.9600	.8146	2.8462	3.0822	22.5684	31.5523	7.6079	.4131	1.9588
5.0	2.4602	1.4333	1.00	.4065	2.4602	2.0100	.7789	2.9864	3.2028	21.1810	30.0295	6.9474	.4600	1.8711
5.0	2.4602	1.4333	1.00	.4065	2.4602	2.0600	.7384	3.1353	3.3307	19.7193	28.4586	6.2869	.5130	1.7830
5.0	2.4602	1.4333	1.00	.4065	2.4602	2.1100	.6924	3.2942	3.4670	18.1678	26.8293	5.6264	.5723	1.6946
5.0	2.4602	1.4333	1.00	.4065	2.4602	2.1600	.6400	3.4645	3.6134	16.5055	25.1287	4.9658	.6382	1.6055
5.0	2.4602	1.4333	1.00	.4065	2.4602	2.2100	.5799	3.6483	3.7718	14.7023	23.3395	4.3053	.7103	1.5156
5.0	2.4602	1.4333	1.00	.4065	2.4602	2.2600	.5099	3.8484	3.9452	12.7137	21.4380	3.6448	.7868	1.4244
5.0	2.4602	1.4333	1.00	.4065	2.4602	2.3100	.4268	4.0692	4.1381	10.4680	19.3893	2.9843	.8642	1.3311
5.0	2.4602	1.4333	1.00	.4065	2.4602	2.3600	.3250	4.3180	4.3587	7.8398	17.1389	2.3238	.9348	1.2338
5.0	2.4602	1.4333	1.00	.4065	2.4602	2.4100	.1929	4.6108	4.6255	4.5756	14.5919	1.6633	.9852	1.1285
5.0	2.4602	1.4333	1.00	.4065	2.4602	2.4600	.0010	4.9980	4.9980	.0239	11.5513	1.0028	1.0000	1.0006
5.0	2.4602	1.4333	1.08	.4546	2.1997	.4600	.0949	.4353	.4444	11.6535	87.1525	26.9371	.0357	5.3810
5.0	2.4602	1.4333	1.08	.4546	2.1997	.5100	.2993	.4868	.5645	30.4090	80.8451	26.2238	.0375	5.2877
5.0	2.4602	1.4333	1.08	.4546	2.1997	.5600	.4065	.5393	.6664	35.9727	77.3255	25.5104	.0394	5.1944
5.0	2.4602	1.4333	1.08	.4546	2.1997	.6100	.4856	.5928	.7577	38.5240	74.5521	24.7971	.0415	5.1011
5.0	2.4602	1.4333	1.08	.4546	2.1997	.6600	.5491	.6474	.8421	39.7587	72.1721	24.0837	.0436	5.0077
5.0	2.4602	1.4333	1.08	.4546	2.1997	.7100	.6018	.7030	.9215	40.2852	70.0432	23.3704	.0459	4.9144
5.0	2.4602	1.4333	1.08	.4546	2.1997	.7600	.6464	.7597	.9974	40.3837	68.0911	22.6570	.0484	4.8210
5.0	2.4602	1.4333	1.08	.4546	2.1997	.8100	.6846	.8177	1.0706	40.2022	66.2713	21.9437	.0510	4.7276
5.0	2.4602	1.4333	1.08	.4546	2.1997	.8600	.7172	.8769	1.1418	39.8267	64.5545	21.2303	.0538	4.6342
5.0	2.4602	1.4333	1.08	.4546	2.1997	.9100	.7451	.9373	1.2115	39.3106	62.9203	20.5170	.0568	4.5408
5.0	2.4602	1.4333	1.08	.4546	2.1997	.9600	.7688	.9992	1.2801	38.6883	61.3537	19.8036	.0600	4.4473
5.0	2.4602	1.4333	1.08	.4546	2.1997	1.0100	.7886	1.0625	1.3480	37.9830	59.8434	19.0903	.0634	4.3538
5.0	2.4602	1.4333	1.08	.4546	2.1997	1.0600	.8049	1.1272	1.4154	37.2105	58.3806	18.3769	.0670	4.2602
5.0	2.4602	1.4333	1.08	.4546	2.1997	1.1100	.8178	1.1936	1.4826	36.3820	56.9584	17.6635	.0710	4.1667
5.0	2.4602	1.4333	1.08	.4546	2.1997	1.1600	.8276	1.2616	1.5498	35.5052	55.5711	16.9502	.0751	4.0730
5.0	2.4602	1.4333	1.08	.4546	2.1997	1.2100	.8343	1.3314	1.6172	34.5854	54.2140	16.2368	.0796	3.9794
5.0	2.4602	1.4333	1.08	.4546	2.1997	1.2600	.8380	1.4030	1.6850	33.6263	52.8835	15.5235	.0844	3.8856
5.0	2.4602	1.4333	1.08	.4546	2.1997	1.3100	.8387	1.4766	1.7533	32.6299	51.5765	14.8101	.0895	3.7919
5.0	2.4602	1.4333	1.08	.4546	2.1997	1.3600	.8366	1.5523	1.8225	31.5973	50.2905	14.0968	.0950	3.6980
5.0	2.4602	1.4333	1.08	.4546	2.1997	1.4100	.8315	1.6302	1.8926	30.5286	49.0239	13.3834	.1008	3.6040
5.0	2.4602	1.4333	1.08	.4546	2.1997	1.4600	.8234	1.7105	1.9638	29.4229	47.7754	12.6701	.1070	3.5100
5.0	2.4602	1.4333	1.08	.4546	2.1997	1.5100	.8123	1.7933	2.0363	28.2785	46.5445	11.9567	.1136	3.4158
5.0	2.4602	1.4333	1.08	.4546	2.1997	1.5600	.7980	1.8788	2.1104	27.0928	45.3317	11.2434	.1206	3.3215
5.0	2.4602	1.4333	1.08	.4546	2.1997	1.6100	.7805	1.9672	2.1861	25.8622	44.1385	10.5300	.1280	3.2270
5.0	2.4602	1.4333	1.08	.4546	2.1997	1.6600	.7594	2.0587	2.2639	24.5821	42.9680	9.8167	.1358	3.1323
5.0	2.4602	1.4333	1.08	.4546	2.1997	1.7100	.7345	2.1536	2.3439	23.2461	41.8255	9.1033	.1439	3.0374
5.0	2.4602	1.4333	1.08	.4546	2.1997	1.7600	.7056	2.2522	2.4264	21.8462	40.7200	8.3899	.1523	2.9421
5.0	2.4602	1.4333	1.08	.4546	2.1997	1.8100	.6721	2.3548	2.5119	20.3720	39.6661	7.6766	.1608	2.8464
5.0	2.4602	1.4333	1.08	.4546	2.1997	1.8600	.6335	2.4618	2.6007	18.8095	38.6878	6.9632	.1693	2.7502
5.0	2.4602	1.4333	1.08	.4546	2.1997	1.9100	.5890	2.5737	2.6933	17.1396	37.8264	6.2499	.1775	2.6533
5.0	2.4602	1.4333	1.08	.4546	2.1997	1.9600	.5375	2.6912	2.7905	15.3354	37.1565	5.5365	.1850	2.5554
5.0	2.4602	1.4333	1.08	.4546	2.1997	2.0100	.4772	2.8151	2.8933	13.3567	36.8241	4.8232	.1914	2.4562
5.0	2.4602	1.4333	1.08	.4546	2.1997	2.0600	.4056	2.9465	3.0031	11.1390	37.1518	4.1098	.1957	2.3548
5.0	2.4602	1.4333	1.08	.4546	2.1997	2.1100	.3177	3.0875	3.1223	8.5626	39.0078	3.3965	.1970	2.2501
5.0	2.4602	1.4333	1.08	.4546	2.1997	2.1600	.2013	3.2413	3.2554	5.3251	45.8421	2.6831	.1936	2.1395

5.0	2.4602	1.4333	1.16	.5098	1.9614	.5100	.0155	.4839	.4841	1.7375	89.5005	25.6848	.0349	6.1746
5.0	2.4602	1.4333	1.16	.5098	1.9614	.5600	.2591	.5357	.5902	24.8303	81.4537	24.9186	.0363	6.0742
5.0	2.4602	1.4333	1.16	.5098	1.9614	.6100	.3593	.5884	.6829	30.4968	77.8888	24.1524	.0378	5.9758
5.0	2.4602	1.4333	1.16	.5098	1.9614	.6600	.4313	.6420	.7670	33.1659	75.1279	23.3862	.0394	5.8733
5.0	2.4602	1.4333	1.16	.5098	1.9614	.7100	.4879	.6967	.8453	34.4969	72.7801	22.6200	.0411	5.7729
5.0	2.4602	1.4333	1.16	.5098	1.9614	.7600	.5340	.7523	.9194	35.0911	70.6941	21.8538	.0428	5.6724
5.0	2.4602	1.4333	1.16	.5098	1.9614	.8100	.5720	.8090	.9904	35.2301	68.7930	21.0876	.0447	5.5718
5.0	2.4602	1.4333	1.16	.5098	1.9614	.8600	.6036	.8668	1.0590	35.0652	67.0314	20.3214	.0466	5.4712
5.0	2.4602	1.4333	1.16	.5098	1.9614	.9100	.6298	.9257	1.1258	34.6850	65.3800	19.5553	.0486	5.3706
5.0	2.4602	1.4333	1.16	.5098	1.9614	.9600	.6511	.9859	1.1912	34.1449	63.8190	18.7891	.0507	5.2699
5.0	2.4602	1.4333	1.16	.5098	1.9614	1.0100	.6680	1.0473	1.2556	33.4810	62.3343	18.0229	.0528	5.1691
5.0	2.4602	1.4333	1.16	.5098	1.9614	1.0600	.6810	1.1100	1.3193	32.7173	60.9160	17.2567	.0551	5.0683
5.0	2.4602	1.4333	1.16	.5098	1.9614	1.1100	.6901	1.1741	1.3826	31.8703	59.5569	16.4905	.0575	4.9674
5.0	2.4602	1.4333	1.16	.5098	1.9614	1.1600	.6956	1.2397	1.4455	30.9510	58.2521	15.7243	.0599	4.8663
5.0	2.4602	1.4333	1.16	.5098	1.9614	1.2100	.6977	1.3068	1.5084	29.9667	56.9988	14.9581	.0624	4.7652
5.0	2.4602	1.4333	1.16	.5098	1.9614	1.2600	.6962	1.3755	1.5715	28.9219	55.7959	14.1919	.0650	4.6640
5.0	2.4602	1.4333	1.16	.5098	1.9614	1.3100	.6912	1.4458	1.6348	27.8187	54.6442	13.4257	.0676	4.5626
5.0	2.4602	1.4333	1.16	.5098	1.9614	1.3600	.6827	1.5180	1.6986	26.6575	53.5466	12.6595	.0703	4.4610
5.0	2.4602	1.4333	1.16	.5098	1.9614	1.4100	.6706	1.5921	1.7630	25.4365	52.5089	11.8933	.0730	4.3592
5.0	2.4602	1.4333	1.16	.5098	1.9614	1.4600	.6547	1.6682	1.8282	24.1523	51.5404	11.1271	.0757	4.2572
5.0	2.4602	1.4333	1.16	.5098	1.9614	1.5100	.6347	1.7464	1.8945	22.7993	50.6553	10.3609	.0783	4.1548
5.0	2.4602	1.4333	1.16	.5098	1.9614	1.5600	.6104	1.8270	1.9619	21.3694	49.8758	9.5947	.0808	4.0521
5.0	2.4602	1.4333	1.16	.5098	1.9614	1.6100	.5813	1.9100	2.0307	19.8512	49.2357	8.8285	.0831	3.9489
5.0	2.4602	1.4333	1.16	.5098	1.9614	1.6600	.5467	1.9958	2.1012	18.2285	48.7892	8.0623	.0852	3.8451
5.0	2.4602	1.4333	1.16	.5098	1.9614	1.7100	.5058	2.0844	2.1737	16.4780	48.6256	7.2961	.0869	3.7405
5.0	2.4602	1.4333	1.16	.5098	1.9614	1.7600	.4573	2.1763	2.2486	14.5643	48.9035	6.5299	.0881	3.6348
5.0	2.4602	1.4333	1.16	.5098	1.9614	1.8100	.3989	2.2719	2.3264	12.4294	49.9301	5.7637	.0885	3.5277
5.0	2.4602	1.4333	1.16	.5098	1.9614	1.8600	.3268	2.3717	2.4080	9.9641	52.3955	4.9976	.0879	3.4184
5.0	2.4602	1.4333	1.16	.5098	1.9614	1.9100	.2310	2.4766	2.4946	6.8963	58.3143	4.2314	.0861	3.3057
5.0	2.4602	1.4333	1.16	.5098	1.9614	1.9600	.0379	2.5880	2.5885	1.1088	83.3268	3.4652	.0825	3.1877
5.0	2.4602	1.4333	1.24	.5761	1.7357	.5800	.0652	.5533	.5568	6.4182	87.7069	23.9992	.0342	6.9791
5.0	2.4602	1.4333	1.24	.5761	1.7357	.6300	.2381	.6057	.6475	20.6998	81.4283	23.1801	.0353	6.8715
5.0	2.4602	1.4333	1.24	.5761	1.7357	.6800	.3227	.6589	.7294	25.3875	78.0848	22.3611	.0364	6.7639
5.0	2.4602	1.4333	1.24	.5761	1.7357	.7300	.3830	.7131	.8052	27.6826	75.4857	21.5421	.0376	6.6562
5.0	2.4602	1.4333	1.24	.5761	1.7357	.7800	.4293	.7681	.8768	28.8260	73.2835	20.7230	.0389	6.5485
5.0	2.4602	1.4333	1.24	.5761	1.7357	.8300	.4658	.8242	.9451	29.3004	71.3409	19.9040	.0401	6.4406
5.0	2.4602	1.4333	1.24	.5761	1.7357	.8800	.4947	.8813	1.0110	29.3426	69.5880	19.0850	.0414	6.3327
5.0	2.4602	1.4333	1.24	.5761	1.7357	.9300	.5173	.9394	1.0749	29.0840	67.9844	18.2659	.0427	6.2247
5.0	2.4602	1.4333	1.24	.5761	1.7357	.9800	.5344	.9986	1.1374	28.6035	66.5055	17.4469	.0440	6.1166
5.0	2.4602	1.4333	1.24	.5761	1.7357	1.0300	.5465	1.0590	1.1988	27.9507	65.1362	16.6279	.0453	6.0084
5.0	2.4602	1.4333	1.24	.5761	1.7357	1.0800	.5540	1.1205	1.2593	27.1576	63.8682	15.8088	.0466	5.9000
5.0	2.4602	1.4333	1.24	.5761	1.7357	1.1300	.5571	1.1833	1.3193	26.2450	62.6981	14.9898	.0479	5.7915
5.0	2.4602	1.4333	1.24	.5761	1.7357	1.1800	.5559	1.2474	1.3790	25.2259	61.6277	14.1708	.0491	5.6827
5.0	2.4602	1.4333	1.24	.5761	1.7357	1.2300	.5504	1.3130	1.4384	24.1074	60.6636	13.3517	.0503	5.5738
5.0	2.4602	1.4333	1.24	.5761	1.7357	1.2800	.5405	1.3799	1.4979	22.8919	59.8187	12.5327	.0515	5.4645
5.0	2.4602	1.4333	1.24	.5761	1.7357	1.3300	.5260	1.4484	1.5576	21.5775	59.1140	11.7136	.0525	5.3549
5.0	2.4602	1.4333	1.24	.5761	1.7357	1.3800	.5066	1.5186	1.6176	20.1574	58.5825	10.8946	.0535	5.2449
5.0	2.4602	1.4333	1.24	.5761	1.7357	1.4300	.4818	1.5904	1.6783	18.6193	58.2756	10.0756	.0542	5.1344
5.0	2.4602	1.4333	1.24	.5761	1.7357	1.4800	.4509	1.6641	1.7396	16.9431	58.2757	9.2565	.0548	5.0233
5.0	2.4602	1.4333	1.24	.5761	1.7357	1.5300	.4127	1.7399	1.8020	15.0957	58.7208	8.4375	.0550	4.9113
5.0	2.4602	1.4333	1.24	.5761	1.7357	1.5800	.3654	1.8178	1.8657	13.0209	59.8614	7.6185	.0550	4.7982
5.0	2.4602	1.4333	1.24	.5761	1.7357	1.6300	.3053	1.8981	1.9311	10.6095	62.2094	6.7994	.0545	4.6837
5.0	2.4602	1.4333	1.24	.5761	1.7357	1.6800	.2239	1.9811	1.9986	7.5900	67.0761	5.9804	.0534	4.5671
5.0	2.4602	1.4333	1.24	.5761	1.7357	1.7300	.0719	2.0673	2.0691	2.3809	81.4656	5.1614	.0518	4.4475
5.0	2.4602	1.4333	1.32	.6627	1.5091	.6700	.0764	.6442	.6484	6.5068	87.0269	21.8168	.0332	7.7855
5.0	2.4602	1.4333	1.32	.6627	1.5091	.7200	.2069	.6974	.7256	16.0342	81.7170	20.9450	.0340	7.6705
5.0	2.4602	1.4333	1.32	.6627	1.5091	.7700	.2737	.7515	.7976	19.5655	78.7144	20.0731	.0348	7.5555
5.0	2.4602	1.4333	1.32	.6627	1.5091	.8200	.3195	.8065	.8655	21.2872	76.4071	19.2012	.0356	7.4403
5.0	2.4602	1.4333	1.32	.6627	1.5091	.8700	.3527	.8624	.9305	22.0670	74.4953	18.3293	.0364	7.3250
5.0	2.4602	1.4333	1.32	.6627	1.5091	.9200	.3766	.9192	.9932	22.2629	72.8618	17.4575	.0371	7.2096
5.0	2.4602	1.4333	1.32	.6627	1.5091	.9700	.3930	.9770	1.0542	22.0570	71.4515	16.5856	.0378	7.0939
5.0	2.4602	1.4333	1.32	.6627	1.5091	1.0200	.4029	1.0359	1.1137	21.5519	70.2385	15.7137	.0385	6.9781
5.0	2.4602	1.4333	1.32	.6627	1.5091	1.0700	.4066	1.0958	1.1723	20.8080	69.2158	14.8418	.0391	6.8620
5.0	2.4602	1.4333	1.32	.6627	1.5091	1.1200	.4046	1.1569	1.2300	19.8604	68.3911	13.9700	.0396	6.7456
5.0	2.4602	1.4333	1.32	.6627	1.5091	1.1700	.3966	1.2191	1.2873	18.7269	67.7879	13.0981	.0401	6.6288
5.0	2.4602	1.4333	1.32	.6627	1.5091	1.2200	.3826	1.2826	1.3442	17.4109	67.4496	12.2262	.0404	6.5116
5.0	2.4602	1.4333	1.32	.6627	1.5091	1.2700	.3618	1.3474	1.4010	15.9014	67.4505	11.3543	.0406	6.3939
5.0	2.4602	1.4333	1.32	.6627	1.5091	1.3200	.3332	1.4136	1.4579	14.1681	67.9169	10.4824	.0406	6.2756
5.0	2.4602	1.4333	1.32	.6627	1.5091	1.3700	.2949	1.4813	1.5152	12.1468	69.0788	9.6106	.0405	6.1564
5.0	2.4602	1.4333	1.32	.6627	1.5091	1.4200	.2426	1.5505	1.5730	9.6951	71.4113	8.7387	.0401	6.0361
5.0	2.4602	1.4333	1.32	.6627	1.5091	1.4700	.1646	1.6216	1.6317	6.3874	76.2271	7.8668	.0394	5.9144
5.0	2.4602	1.4333	1.40	.8043	1.2433	.8100	.0483	.7900	.7914	3.4092	87.8229	18.5196	.0319	8.5104
5.0	2.4602	1.4333	1.40	.8043	1.2433	.8600	.1414	.8449	.8562	9.3378	83.3842	17.5949	.0323	8.3876
5.0	2.4602	1.4333	1.40	.8043	1.2433	.9100	.1813	.9007	.9184	11.2676	81.1861	16.6701	.0326	8.2645
5.0	2.4602	1.4333	1.40	.8043	1.2433	.9600	.2024	.9573	.9784	11.9077	79.7479	15.7454	.0329	8.1411
5.0	2.4602	1.4333	1.40	.8043	1.2433	1.0100	.2107	1.0149	1.0368	11.7811	78.8550	14.8207	.0331	8.0174
5.0	2.4602	1.4333	1.40	.8043	1.2433	1.0600	.2076	1.0735	1.0939	11.0822	78.4864	13.8960	.0332	7.8932
5.0	2.4602	1.4333	1.40	.8043	1.2433	1.1100	.1930	1.1331	1.1501	9.8637	78.7384	12.9713	.0332	7.7686
5.0	2.4602	1.4333	1.40	.8043	1.2433	1.1600	.1640	1.1938	1.2057	8.0471	79.8846	12.0465	.0331	7.6433
5.0	2.4602	1.4333	1.40	.8043	1.2433	1.2100	.1103	1.2557	1.2609	5.2095	82.7671	11.1218	.0328	7.5173

PROPERTIES OF AN OBLIQUE DETONATION WAVE GAMMA = 1.3

M1	M1*	DELMAX	DEL	XMIN	XMAX	X(M2U*)	Y(M2V*)	M2U	M2	THETA	SIGMA	PR21	PTR21	TR21
8.0	2.6350	1.5073	1.00	.3795	2.6350	.3800	.0332	.3578	.3591	5.0006	89.1553	72.2017	.0028	10.3988
8.0	2.6350	1.5073	1.00	.3795	2.6350	.4300	.3310	.4089	.5160	37.5892	81.4627	70.6229	.0030	10.1929
8.0	2.6350	1.5073	1.00	.3795	2.6350	.4800	.4616	.4611	.6397	43.8780	77.9112	69.0442	.0032	9.9869
8.0	2.6350	1.5073	1.00	.3795	2.6350	.5300	.5581	.5145	.7472	46.4807	75.1504	67.4655	.0034	9.7809
8.0	2.6350	1.5073	1.00	.3795	2.6350	.5800	.6364	.5691	.8448	47.6536	72.7940	65.8868	.0037	9.5750
8.0	2.6350	1.5073	1.00	.3795	2.6350	.6300	.7025	.6249	.9359	48.1126	70.6923	64.3080	.0040	9.3690
8.0	2.6350	1.5073	1.00	.3795	2.6350	.6800	.7596	.6820	1.0225	48.1630	68.7683	62.7293	.0043	9.1630
8.0	2.6350	1.5073	1.00	.3795	2.6350	.7300	.8096	.7405	1.1058	47.9584	66.9765	61.1506	.0046	8.9571
8.0	2.6350	1.5073	1.00	.3795	2.6350	.7800	.8537	.8005	1.1868	47.5843	65.2868	59.5718	.0049	8.7511
8.0	2.6350	1.5073	1.00	.3795	2.6350	.8300	.8929	.8620	1.2662	47.0923	63.6786	57.9931	.0053	8.5451
8.0	2.6350	1.5073	1.00	.3795	2.6350	.8800	.9278	.9252	1.3444	46.5149	62.1366	56.4144	.0058	8.3391
8.0	2.6350	1.5073	1.00	.3795	2.6350	.9300	.9588	.9901	1.4220	45.8738	60.6492	54.8357	.0062	8.1331
8.0	2.6350	1.5073	1.00	.3795	2.6350	.9800	.9863	1.0567	1.4993	45.1838	59.2075	53.2569	.0068	7.9271
8.0	2.6350	1.5073	1.00	.3795	2.6350	1.0300	1.0106	1.1254	1.5766	44.4550	57.8040	51.6782	.0074	7.7211
8.0	2.6350	1.5073	1.00	.3795	2.6350	1.0800	1.0319	1.1961	1.6543	43.6948	56.4327	50.0995	.0080	7.5151
8.0	2.6350	1.5073	1.00	.3795	2.6350	1.1300	1.0504	1.2690	1.7325	42.9084	55.0886	48.5207	.0088	7.3091
8.0	2.6350	1.5073	1.00	.3795	2.6350	1.1800	1.0662	1.3442	1.8116	42.0997	53.7673	46.9420	.0096	7.1031
8.0	2.6350	1.5073	1.00	.3795	2.6350	1.2300	1.0795	1.4219	1.8919	41.2711	52.4650	45.3633	.0105	6.8971
8.0	2.6350	1.5073	1.00	.3795	2.6350	1.2800	1.0903	1.5023	1.9735	40.4247	51.1783	43.7846	.0116	6.6911
8.0	2.6350	1.5073	1.00	.3795	2.6350	1.3300	1.0988	1.5856	2.0567	39.5618	49.9042	42.2058	.0128	6.4851
8.0	2.6350	1.5073	1.00	.3795	2.6350	1.3800	1.1049	1.6720	2.1419	38.6829	48.6398	40.6271	.0142	6.2790
8.0	2.6350	1.5073	1.00	.3795	2.6350	1.4300	1.1088	1.7617	2.2293	37.7886	47.3825	39.0484	.0157	6.0730
8.0	2.6350	1.5073	1.00	.3795	2.6350	1.4800	1.1104	1.8551	2.3191	36.8788	46.1298	37.4696	.0175	5.8669
8.0	2.6350	1.5073	1.00	.3795	2.6350	1.5300	1.1097	1.9523	2.4118	35.9532	44.8792	35.8909	.0196	5.6609
8.0	2.6350	1.5073	1.00	.3795	2.6350	1.5800	1.1068	2.0539	2.5077	35.0114	43.6284	34.3122	.0220	5.4548
8.0	2.6350	1.5073	1.00	.3795	2.6350	1.6300	1.1016	2.1601	2.6071	34.0524	42.3750	32.7335	.0248	5.2487
8.0	2.6350	1.5073	1.00	.3795	2.6350	1.6800	1.0941	2.2714	2.7106	33.0751	41.1165	31.1547	.0281	5.0425
8.0	2.6350	1.5073	1.00	.3795	2.6350	1.7300	1.0843	2.3883	2.8186	32.0783	39.8504	29.5760	.0320	4.8364
8.0	2.6350	1.5073	1.00	.3795	2.6350	1.7800	1.0721	2.5114	2.9318	31.0601	38.5741	27.9973	.0365	4.6302
8.0	2.6350	1.5073	1.00	.3795	2.6350	1.8300	1.0573	2.6415	3.0507	30.0187	37.2846	26.4185	.0420	4.4241
8.0	2.6350	1.5073	1.00	.3795	2.6350	1.8800	1.0400	2.7792	3.1761	28.9514	35.9789	24.8398	.0486	4.2178
8.0	2.6350	1.5073	1.00	.3795	2.6350	1.9300	1.0200	2.9255	3.3089	27.8555	34.6536	23.2611	.0565	4.0116
8.0	2.6350	1.5073	1.00	.3795	2.6350	1.9800	.9970	3.0816	3.4502	26.7273	33.3046	21.6824	.0662	3.8052
8.0	2.6350	1.5073	1.00	.3795	2.6350	2.0300	.9710	3.2488	3.6013	25.5627	31.9275	20.1036	.0782	3.5989
8.0	2.6350	1.5073	1.00	.3795	2.6350	2.0800	.9416	3.4286	3.7635	24.3563	30.5171	18.5249	.0931	3.3924
8.0	2.6350	1.5073	1.00	.3795	2.6350	2.1300	.9086	3.6230	3.9389	23.1016	29.0672	16.9462	.1118	3.1858
8.0	2.6350	1.5073	1.00	.3795	2.6350	2.1800	.8715	3.8345	4.1296	21.7903	27.5700	15.3675	.1356	2.9792
8.0	2.6350	1.5073	1.00	.3795	2.6350	2.2300	.8298	4.0662	4.3386	20.4116	26.0162	13.7887	.1662	2.7723
8.0	2.6350	1.5073	1.00	.3795	2.6350	2.2800	.7829	4.3219	4.5696	18.9513	24.3936	12.2100	.2060	2.5652
8.0	2.6350	1.5073	1.00	.3795	2.6350	2.3300	.7297	4.6069	4.8276	17.3894	22.6860	10.6313	.2585	2.3578
8.0	2.6350	1.5073	1.00	.3795	2.6350	2.3800	.6689	4.9281	5.1191	15.6974	20.8713	9.0525	.3284	2.1498
8.0	2.6350	1.5073	1.00	.3795	2.6350	2.4300	.5983	5.2954	5.4536	13.8311	18.9172	7.4738	.4221	1.9410
8.0	2.6350	1.5073	1.00	.3795	2.6350	2.4800	.5143	5.7234	5.8452	11.7169	16.7737	5.8951	.5474	1.7306
8.0	2.6350	1.5073	1.00	.3795	2.6350	2.5300	.4104	6.2360	6.3176	9.2145	14.3544	4.3164	.7090	1.5172
8.0	2.6350	1.5073	1.00	.3795	2.6350	2.5800	.2709	6.8822	6.9200	5.9933	11.4846	2.7376	.8920	1.2954
8.0	2.6350	1.5073	1.00	.3795	2.6350	2.6300	.0374	7.8497	7.8505	.8139	7.6717	1.1589	.9996	1.0347
8.0	2.6350	1.5073	1.08	.4221	2.3691	.4300	.1228	.4063	.4226	15.9397	86.6619	69.5368	.0028	12.0413
8.0	2.6350	1.5073	1.08	.4221	2.3691	.4800	.3280	.4578	.5545	34.3448	80.9344	67.8317	.0030	11.8188
8.0	2.6350	1.5073	1.08	.4221	2.3691	.5300	.4417	.5103	.6643	39.8056	77.5805	66.1267	.0031	11.5963
8.0	2.6350	1.5073	1.08	.4221	2.3691	.5800	.5268	.5639	.7618	42.2507	74.9219	64.4217	.0033	11.3737
8.0	2.6350	1.5073	1.08	.4221	2.3691	.6300	.5959	.6186	.8515	43.4058	72.6352	62.7167	.0035	11.1511
8.0	2.6350	1.5073	1.08	.4221	2.3691	.6800	.6539	.6745	.9357	43.8791	70.5875	61.0116	.0038	10.9286
8.0	2.6350	1.5073	1.08	.4221	2.3691	.7300	.7036	.7315	1.0160	43.9465	68.7089	59.3066	.0040	10.7060
8.0	2.6350	1.5073	1.08	.4221	2.3691	.7800	.7467	.7899	1.0935	43.7522	66.9571	57.6016	.0042	10.4834
8.0	2.6350	1.5073	1.08	.4221	2.3691	.8300	.7843	.8496	1.1689	43.3792	65.3042	55.8966	.0045	10.2608
8.0	2.6350	1.5073	1.08	.4221	2.3691	.8800	.8171	.9107	1.2428	42.8784	63.7307	54.1915	.0048	10.0382
8.0	2.6350	1.5073	1.08	.4221	2.3691	.9300	.8457	.9733	1.3156	42.2827	62.2222	52.4865	.0051	9.8156
8.0	2.6350	1.5073	1.08	.4221	2.3691	.9800	.8705	1.0375	1.3877	41.6142	60.7679	50.7815	.0055	9.5929
8.0	2.6350	1.5073	1.08	.4221	2.3691	1.0300	.8918	1.1033	1.4594	40.8880	59.3592	49.0765	.0059	9.3703
8.0	2.6350	1.5073	1.08	.4221	2.3691	1.0800	.9099	1.1708	1.5310	40.1147	57.9892	47.3714	.0063	9.1476
8.0	2.6350	1.5073	1.08	.4221	2.3691	1.1300	.9250	1.2402	1.6027	39.3019	56.6523	45.6664	.0068	8.9249
8.0	2.6350	1.5073	1.08	.4221	2.3691	1.1800	.9371	1.3116	1.6749	38.4549	55.3440	43.9614	.0073	8.7022
8.0	2.6350	1.5073	1.08	.4221	2.3691	1.2300	.9465	1.3850	1.7476	37.5774	54.0601	42.2564	.0078	8.4794
8.0	2.6350	1.5073	1.08	.4221	2.3691	1.2800	.9531	1.4606	1.8211	36.6720	52.7975	40.5513	.0084	8.2567
8.0	2.6350	1.5073	1.08	.4221	2.3691	1.3300	.9571	1.5386	1.8956	35.7403	51.5532	38.8463	.0091	8.0338
8.0	2.6350	1.5073	1.08	.4221	2.3691	1.3800	.9585	1.6190	1.9713	34.7832	50.3247	37.1413	.0098	7.8110
8.0	2.6350	1.5073	1.08	.4221	2.3691	1.4300	.9573	1.7021	2.0484	33.8008	49.1100	35.4362	.0106	7.5881
8.0	2.6350	1.5073	1.08	.4221	2.3691	1.4800	.9535	1.7881	2.1271	32.7929	47.9072	33.7312	.0115	7.3651
8.0	2.6350	1.5073	1.08	.4221	2.3691	1.5300	.9471	1.8772	2.2077	31.7585	46.7147	32.0262	.0125	7.1421
8.0	2.6350	1.5073	1.08	.4221	2.3691	1.5800	.9380	1.9695	2.2904	30.6962	45.5316	30.3212	.0135	6.9191
8.0	2.6350	1.5073	1.08	.4221	2.3691	1.6300	.9261	2.0654	2.3755	29.6041	44.3568	28.6161	.0147	6.6959
8.0	2.6350	1.5073	1.08	.4221	2.3691	1.6800	.9114	2.1652	2.4633	28.4797	43.1902	26.9111	.0160	6.4727
8.0	2.6350	1.5073	1.08	.4221	2.3691	1.7300	.8937	2.2691	2.5540	27.3196	42.0319	25.2061	.0175	6.2493
8.0	2.6350	1.5073	1.08	.4221	2.3691	1.7800	.8728	2.3776	2.6480	26.1197	40.8829	23.5011	.0191	6.0258
8.0	2.6350	1.5073	1.08	.4221	2.3691	1.8300	.8485	2.4911	2.7458	24.8750	39.7454	21.7960	.0209	5.8021
8.0	2.6350	1.5073	1.08	.4221	2.3691	1.8800	.8205	2.6100	2.8477	23.5788	38.6233	20.0910	.0228	5.5783
8.0	2.6350	1.5073	1.08	.4221	2.3691	1.9300	.7885	2.7349	2.9544	22.2229	37.5234	18.3860	.0249	5.3541
8.0	2.6350	1.5073	1.08	.4221	2.3691	1.9800	.7520	2.8665	3.0663	20.7963	36.4567	16.6810	.0272	5.1296
8.0	2.6350	1.5073	1.08	.4221	2.3691	2.0300	.7103	3.0055	3.1842	19.2846	35.4423	14.9759	.0297	4.9046
8.0	2.6350	1.5073	1.08	.4221	2.3691	2.0800	.6625	3.1530	3.3090	17.6677	34.5131	13.2709	.0323	4.6789
8.0	2.6350	1.5073	1.08	.4221	2.3691	2.1300	.6074	3.3099	3.4419	15.9167	33.7303	11.5659	.0349	4.4523
8.0	2.6350	1.5073	1.08	.4221	2.3691	2.1800	.5430	3.4778	3.5841	13.9873	33.2160	9.8608	.0373	4.2242
8.0	2.6350	1.5073	1.08	.4221	2.3691	2.2300	.4661	3.6588	3.7379	11.8053	33.2484	8.1558	.0394	3.9938
8.0	2.6350	1.5073	1.08	.4221	2.3691	2.2800	.3704	3.8558	3.9063	9.2266	34.6067	6.4508	.0405	3.7593
8.0	2.6350	1.5073	1.08	.4221	2.3691	2.3300	.2395	4.0742	4.0957	5.8691	40.6378	4.7458	.0398	3.5163

8.0	2.6350	1.5073	1.16	.4697	2.1290	.4700	.0223	.4447	.4452	2.7175	89.3534	66.9855	.0027	13.8515
8.0	2.6350	1.5073	1.16	.4697	2.1290	.5200	.2820	.4964	.5647	28.4740	81.6716	65.1542	.0029	13.6123
8.0	2.6350	1.5073	1.16	.4697	2.1290	.5700	.3919	.5489	.6662	34.5110	78.2037	63.3229	.0030	13.3732
8.0	2.6350	1.5073	1.16	.4697	2.1290	.6200	.4719	.6025	.7571	37.2737	75.5153	61.4916	.0032	13.1340
8.0	2.6350	1.5073	1.16	.4697	2.1290	.6700	.5355	.6571	.8412	38.6322	73.2268	59.6602	.0033	12.8948
8.0	2.6350	1.5073	1.16	.4697	2.1290	.7200	.5881	.7128	.9203	39.2401	71.1915	57.8289	.0035	12.6555
8.0	2.6350	1.5073	1.16	.4697	2.1290	.7700	.6324	.7696	.9959	39.3954	69.3341	55.9976	.0037	12.4163
8.0	2.6350	1.5073	1.16	.4697	2.1290	.8200	.6701	.8276	1.0687	39.2550	67.6101	54.1663	.0039	12.1770
8.0	2.6350	1.5073	1.16	.4697	2.1290	.8700	.7022	.8868	1.1396	38.9095	65.9907	52.3350	.0041	11.9377
8.0	2.6350	1.5073	1.16	.4697	2.1290	.9200	.7296	.9473	1.2090	38.4151	64.4559	50.5036	.0043	11.6984
8.0	2.6350	1.5073	1.16	.4697	2.1290	.9700	.7526	1.0092	1.2773	37.8079	62.9915	48.6723	.0045	11.4590
8.0	2.6350	1.5073	1.16	.4697	2.1290	1.0200	.7718	1.0724	1.3448	37.1124	61.5868	46.8410	.0048	11.2196
8.0	2.6350	1.5073	1.16	.4697	2.1290	1.0700	.7873	1.1372	1.4119	36.3451	60.2338	45.0097	.0050	10.9802
8.0	2.6350	1.5073	1.16	.4697	2.1290	1.1200	.7994	1.2035	1.4787	35.5177	58.9262	43.1783	.0053	10.7407
8.0	2.6350	1.5073	1.16	.4697	2.1290	1.1700	.8083	1.2715	1.5455	34.6382	57.6594	41.3470	.0056	10.5011
8.0	2.6350	1.5073	1.16	.4697	2.1290	1.2200	.8140	1.3413	1.6124	33.7120	56.4298	39.5157	.0059	10.2615
8.0	2.6350	1.5073	1.16	.4697	2.1290	1.2700	.8167	1.4128	1.6797	32.7428	55.2351	37.6844	.0063	10.0219
8.0	2.6350	1.5073	1.16	.4697	2.1290	1.3200	.8163	1.4863	1.7476	31.7326	54.0738	35.8530	.0066	9.7821
8.0	2.6350	1.5073	1.16	.4697	2.1290	1.3700	.8129	1.5619	1.8162	30.6820	52.9453	34.0217	.0070	9.5422
8.0	2.6350	1.5073	1.16	.4697	2.1290	1.4200	.8064	1.6397	1.8856	29.5909	51.8502	32.1904	.0074	9.3022
8.0	2.6350	1.5073	1.16	.4697	2.1290	1.4700	.7967	1.7197	1.9561	28.4578	50.7903	30.3591	.0078	9.0621
8.0	2.6350	1.5073	1.16	.4697	2.1290	1.5200	.7839	1.8023	2.0278	27.2803	49.7691	28.5277	.0083	8.8219
8.0	2.6350	1.5073	1.16	.4697	2.1290	1.5700	.7676	1.8875	2.1010	26.0546	48.7920	26.6964	.0087	8.5814
8.0	2.6350	1.5073	1.16	.4697	2.1290	1.6200	.7477	1.9755	2.1758	24.7757	47.8676	24.8651	.0092	8.3407
8.0	2.6350	1.5073	1.16	.4697	2.1290	1.6700	.7239	2.0665	2.2524	23.4368	47.0084	23.0338	.0096	8.0997
8.0	2.6350	1.5073	1.16	.4697	2.1290	1.7200	.6959	2.1608	2.3310	22.0289	46.2336	21.2024	.0101	7.8584
8.0	2.6350	1.5073	1.16	.4697	2.1290	1.7700	.6632	2.2587	2.4120	20.5397	45.5727	19.3711	.0106	7.6166
8.0	2.6350	1.5073	1.16	.4697	2.1290	1.8200	.6250	2.3604	2.4956	18.9523	45.0725	17.5398	.0110	7.3741
8.0	2.6350	1.5073	1.16	.4697	2.1290	1.8700	.5804	2.4662	2.5823	17.2426	44.8108	15.7085	.0114	7.1309
8.0	2.6350	1.5073	1.16	.4697	2.1290	1.9200	.5279	2.5767	2.6723	15.3742	44.9260	13.8771	.0117	6.8865
8.0	2.6350	1.5073	1.16	.4697	2.1290	1.9700	.4653	2.6923	2.7664	13.2880	45.6883	12.0458	.0119	6.6405
8.0	2.6350	1.5073	1.16	.4697	2.1290	2.0200	.3880	2.8138	2.8653	10.8740	47.7077	10.2145	.0119	6.3919
8.0	2.6350	1.5073	1.16	.4697	2.1290	2.0700	.2863	2.9422	2.9702	7.8732	52.7594	8.3832	.0117	6.1391
8.0	2.6350	1.5073	1.16	.4697	2.1290	2.1200	.1113	3.0793	3.0836	3.0064	71.1731	6.5518	.0110	5.8787
8.0	2.6350	1.5073	1.24	.5245	1.9066	.5300	.0862	.5038	.5104	9.2410	87.3115	63.4492	.0027	15.6856
8.0	2.6350	1.5073	1.24	.5245	1.9066	.5800	.2688	.5559	.6127	24.8683	81.4414	61.4916	.0028	15.4298
8.0	2.6350	1.5073	1.24	.5245	1.9066	.6300	.3635	.6089	.7029	29.9837	78.1762	59.5340	.0029	15.1739
8.0	2.6350	1.5073	1.24	.5245	1.9066	.6800	.4324	.6628	.7855	32.4534	75.6174	57.5763	.0030	14.9180
8.0	2.6350	1.5073	1.24	.5245	1.9066	.7300	.4867	.7177	.8626	33.6922	73.4356	55.6187	.0032	14.6621
8.0	2.6350	1.5073	1.24	.5245	1.9066	.7800	.5308	.7737	.9358	34.2378	71.4980	53.6611	.0033	14.4061
8.0	2.6350	1.5073	1.24	.5245	1.9066	.8300	.5672	.8307	1.0061	34.3479	69.7362	51.7035	.0034	14.1501
8.0	2.6350	1.5073	1.24	.5245	1.9066	.8800	.5972	.8888	1.0741	34.1633	68.1092	49.7458	.0036	13.8940
8.0	2.6350	1.5073	1.24	.5245	1.9066	.9300	.6218	.9481	1.1405	33.7676	66.5912	47.7882	.0037	13.6379
8.0	2.6350	1.5073	1.24	.5245	1.9066	.9800	.6416	1.0085	1.2055	33.2133	65.1645	45.8306	.0039	13.3817
8.0	2.6350	1.5073	1.24	.5245	1.9066	1.0300	.6571	1.0703	1.2695	32.5346	63.8172	43.8730	.0040	13.1254
8.0	2.6350	1.5073	1.24	.5245	1.9066	1.0800	.6684	1.1334	1.3329	31.7546	62.5413	41.9153	.0042	12.8690
8.0	2.6350	1.5073	1.24	.5245	1.9066	1.1300	.6760	1.1979	1.3958	30.8886	61.3316	39.9577	.0044	12.6126
8.0	2.6350	1.5073	1.24	.5245	1.9066	1.1800	.6798	1.2638	1.4585	29.9469	60.1855	38.0001	.0045	12.3560
8.0	2.6350	1.5073	1.24	.5245	1.9066	1.2300	.6800	1.3312	1.5211	28.9360	59.1028	36.0425	.0047	12.0993
8.0	2.6350	1.5073	1.24	.5245	1.9066	1.2800	.6766	1.4003	1.5839	27.8594	58.0855	34.0849	.0049	11.8424
8.0	2.6350	1.5073	1.24	.5245	1.9066	1.3300	.6694	1.4710	1.6469	26.7180	57.1385	32.1272	.0051	11.5853
8.0	2.6350	1.5073	1.24	.5245	1.9066	1.3800	.6585	1.5436	1.7103	25.5107	56.2702	30.1696	.0053	11.3280
8.0	2.6350	1.5073	1.24	.5245	1.9066	1.4300	.6437	1.6180	1.7744	24.2338	55.4933	28.2120	.0054	11.0705
8.0	2.6350	1.5073	1.24	.5245	1.9066	1.4800	.6246	1.6944	1.8391	22.8812	54.8273	26.2544	.0056	10.8126
8.0	2.6350	1.5073	1.24	.5245	1.9066	1.5300	.6009	1.7730	1.9048	21.4433	54.3013	24.2967	.0058	10.5543
8.0	2.6350	1.5073	1.24	.5245	1.9066	1.5800	.5722	1.8538	1.9716	19.9064	53.9594	22.3391	.0059	10.2955
8.0	2.6350	1.5073	1.24	.5245	1.9066	1.6300	.5375	1.9370	2.0396	18.2501	53.8717	20.3815	.0060	10.0361
8.0	2.6350	1.5073	1.24	.5245	1.9066	1.6800	.4958	2.0228	2.1091	16.4436	54.1537	18.4239	.0061	9.7758
8.0	2.6350	1.5073	1.24	.5245	1.9066	1.7300	.4454	2.1115	2.1803	14.4370	55.0110	16.4662	.0061	9.5143
8.0	2.6350	1.5073	1.24	.5245	1.9066	1.7800	.3829	2.2032	2.2536	12.1413	56.8508	14.5086	.0061	9.2511
8.0	2.6350	1.5073	1.24	.5245	1.9066	1.8300	.3018	2.2983	2.3293	9.3635	60.6363	12.5510	.0060	8.9856
8.0	2.6350	1.5073	1.24	.5245	1.9066	1.8800	.1795	2.3973	2.4082	5.4545	69.7397	10.5934	.0058	8.7163

8.0	2.6350	1.5073	1.32	.5906	1.6931	.6000	.1002	.5735	.5815	9.4845	86.6126	59.1929	.0026	17.5780
8.0	2.6350	1.5073	1.32	.5906	1.6931	.6500	.2464	.6262	.6697	20.7596	81.4740	57.1090	.0027	17.3054
8.0	2.6350	1.5073	1.32	.5906	1.6931	.7000	.3262	.6797	.7499	24.9839	78.4319	55.0251	.0028	17.0327
8.0	2.6350	1.5073	1.32	.5906	1.6931	.7500	.3835	.7342	.8246	27.0845	76.0454	52.9412	.0029	16.7600
8.0	2.6350	1.5073	1.32	.5906	1.6931	.8000	.4276	.7896	.8953	28.1247	74.0231	50.8573	.0030	16.4872
8.0	2.6350	1.5073	1.32	.5906	1.6931	.8500	.4622	.8460	.9629	28.5354	72.2455	48.7733	.0031	16.2143
8.0	2.6350	1.5073	1.32	.5906	1.6931	.9000	.4893	.9034	1.0282	28.5328	70.6514	46.6894	.0032	15.9413
8.0	2.6350	1.5073	1.32	.5906	1.6931	.9500	.5102	.9618	1.0917	28.2381	69.2056	44.6055	.0033	15.6682
8.0	2.6350	1.5073	1.32	.5906	1.6931	1.0000	.5256	1.0214	1.1539	27.7248	67.8875	42.5216	.0034	15.3950
8.0	2.6350	1.5073	1.32	.5906	1.6931	1.0500	.5359	1.0821	1.2149	27.0391	66.6857	40.4377	.0035	15.1216
8.0	2.6350	1.5073	1.32	.5906	1.6931	1.1000	.5415	1.1440	1.2751	26.2104	65.5953	38.3537	.0036	14.8481
8.0	2.6350	1.5073	1.32	.5906	1.6931	1.1500	.5426	1.2072	1.3348	25.2573	64.6172	36.2698	.0037	14.5743
8.0	2.6350	1.5073	1.32	.5906	1.6931	1.2000	.5391	1.2717	1.3941	24.1905	63.7582	34.1859	.0037	14.3004
8.0	2.6350	1.5073	1.32	.5906	1.6931	1.2500	.5310	1.3376	1.4532	23.0145	63.0316	32.1020	.0038	14.0261
8.0	2.6350	1.5073	1.32	.5906	1.6931	1.3000	.5181	1.4049	1.5124	21.7283	62.4595	30.0180	.0039	13.7515
8.0	2.6350	1.5073	1.32	.5906	1.6931	1.3500	.5001	1.4737	1.5716	20.3251	62.0766	27.9341	.0039	13.4765
8.0	2.6350	1.5073	1.32	.5906	1.6931	1.4000	.4764	1.5442	1.6311	18.7910	61.9366	25.8502	.0040	13.2010
8.0	2.6350	1.5073	1.32	.5906	1.6931	1.4500	.4461	1.6163	1.6911	17.1021	62.1252	23.7663	.0040	12.9249
8.0	2.6350	1.5073	1.32	.5906	1.6931	1.5000	.4081	1.6903	1.7517	15.2182	62.7859	21.6824	.0040	12.6479
8.0	2.6350	1.5073	1.32	.5906	1.6931	1.5500	.3598	1.7661	1.8131	13.0672	64.1789	19.5984	.0040	12.3699
8.0	2.6350	1.5073	1.32	.5906	1.6931	1.6000	.2966	1.8441	1.8755	10.5013	66.8457	17.5145	.0040	12.0904
8.0	2.6350	1.5073	1.32	.5906	1.6931	1.6500	.2058	1.9242	1.9392	7.1094	72.2657	15.4306	.0039	11.8068
8.0	2.6350	1.5073	1.40	.6777	1.4755	.6800	.0420	.6542	.6555	3.5353	88.4445	54.1410	.0026	19.5182
8.0	2.6350	1.5073	1.40	.6777	1.4755	.7300	.1952	.7076	.7325	14.9734	82.5695	51.9308	.0026	19.2286
8.0	2.6350	1.5073	1.40	.6777	1.4755	.7800	.2637	.7618	.8042	18.6762	79.6737	49.7206	.0027	18.9389
8.0	2.6350	1.5073	1.40	.6777	1.4755	.8300	.3098	.8169	.8720	20.4663	77.4977	47.5104	.0027	18.6491
8.0	2.6350	1.5073	1.40	.6777	1.4755	.8800	.3427	.8729	.9368	21.2783	75.7254	45.3001	.0028	18.3592
8.0	2.6350	1.5073	1.40	.6777	1.4755	.9300	.3661	.9299	.9994	21.4862	74.2384	43.0899	.0028	18.0690
8.0	2.6350	1.5073	1.40	.6777	1.4755	.9800	.3816	.9879	1.0602	21.2771	72.9838	40.8797	.0029	17.7787
8.0	2.6350	1.5073	1.40	.6777	1.4755	1.0300	.3903	1.0469	1.1195	20.7552	71.9392	38.6695	.0029	17.4882
8.0	2.6350	1.5073	1.40	.6777	1.4755	1.0800	.3927	1.1069	1.1778	19.9800	71.1022	36.4593	.0030	17.1973
8.0	2.6350	1.5073	1.40	.6777	1.4755	1.1300	.3887	1.1681	1.2353	18.9843	70.4874	34.2490	.0030	16.9062
8.0	2.6350	1.5073	1.40	.6777	1.4755	1.1800	.3784	1.2305	1.2922	17.7811	70.1284	32.0388	.0030	16.6146
8.0	2.6350	1.5073	1.40	.6777	1.4755	1.2300	.3612	1.2940	1.3487	16.3655	70.0852	29.8286	.0031	16.3226
8.0	2.6350	1.5073	1.40	.6777	1.4755	1.2800	.3361	1.3589	1.4049	14.7116	70.4610	27.6184	.0031	16.0300
8.0	2.6350	1.5073	1.40	.6777	1.4755	1.3300	.3012	1.4250	1.4611	12.7593	71.4403	25.4082	.0031	15.7366
8.0	2.6350	1.5073	1.40	.6777	1.4755	1.3800	.2526	1.4926	1.5174	10.3738	73.3925	23.1979	.0030	15.4423
8.0	2.6350	1.5073	1.40	.6777	1.4755	1.4300	.1800	1.5617	1.5741	7.1742	77.2737	20.9877	.0030	15.1467
8.0	2.6350	1.5073	1.48	.8256	1.2113	.8300	.0405	.8114	.8123	2.7948	88.2629	45.4138	.0025	21.1270
8.0	2.6350	1.5073	1.48	.8256	1.2113	.8800	.1325	.8666	.8763	8.5621	84.1177	43.0773	.0025	20.8198
8.0	2.6350	1.5073	1.48	.8256	1.2113	.9300	.1690	.9227	.9378	10.2985	82.2147	40.7408	.0025	20.5124
8.0	2.6350	1.5073	1.48	.8256	1.2113	.9800	.1862	.9796	.9972	10.7569	81.0783	38.4043	.0025	20.2047
8.0	2.6350	1.5073	1.48	.8256	1.2113	1.0300	.1895	1.0376	1.0550	10.4227	80.5312	36.0677	.0025	19.8966
8.0	2.6350	1.5073	1.48	.8256	1.2113	1.0800	.1797	1.0965	1.1115	9.4452	80.6060	33.7312	.0025	19.5881
8.0	2.6350	1.5073	1.48	.8256	1.2113	1.1300	.1544	1.1564	1.1671	7.7824	81.5212	31.3947	.0025	19.2790
8.0	2.6350	1.5073	1.48	.8256	1.2113	1.1800	.1032	1.2174	1.2220	4.9984	84.0246	29.0582	.0025	18.9691

PROPERTIES OF AN OBLIQUE DETONATION WAVE GAMMA = 1.3

M1	M1*	DELMAX	DEL	XMIN	XMAX	X(M2U*)	Y(M2V*)	M2U	M2	THETA	SIGMA	PR21	PTR21	TR21
11.0	2.6956	1.5333	1.00	.3710	2.6956	.3800	.1440	.3582	.3831	20.7507	86.4422	136.1254	.0004	18.7375
11.0	2.6956	1.5333	1.00	.3710	2.6956	.4300	.3641	.4095	.5367	40.2591	80.8693	133.2077	.0004	18.3569
11.0	2.6956	1.5333	1.00	.3710	2.6956	.4800	.4894	.4620	.6597	45.5529	77.5453	130.2900	.0005	17.9764
11.0	2.6956	1.5333	1.00	.3710	2.6956	.5300	.5842	.5156	.7674	47.7869	74.9022	127.3723	.0005	17.5958
11.0	2.6956	1.5333	1.00	.3710	2.6956	.5800	.6620	.5704	.8656	48.7761	72.6252	124.4546	.0005	17.2152
11.0	2.6956	1.5333	1.00	.3710	2.6956	.6300	.7281	.6266	.9576	49.1301	70.5841	121.5369	.0006	16.8346
11.0	2.6956	1.5333	1.00	.3710	2.6956	.6800	.7855	.6841	1.0452	49.1162	68.7097	118.6192	.0006	16.4540
11.0	2.6956	1.5333	1.00	.3710	2.6956	.7300	.8360	.7430	1.1296	48.8708	66.9605	115.7015	.0007	16.0734
11.0	2.6956	1.5333	1.00	.3710	2.6956	.7800	.8807	.8035	1.2119	48.4711	65.3086	112.7838	.0007	15.6928
11.0	2.6956	1.5333	1.00	.3710	2.6956	.8300	.9206	.8656	1.2926	47.9636	63.7348	109.8661	.0008	15.3122
11.0	2.6956	1.5333	1.00	.3710	2.6956	.8800	.9563	.9293	1.3724	47.3782	62.2247	106.9484	.0009	14.9316
11.0	2.6956	1.5333	1.00	.3710	2.6956	.9300	.9881	.9949	1.4516	46.7346	60.7674	104.0307	.0010	14.5510
11.0	2.6956	1.5333	1.00	.3710	2.6956	.9800	1.0165	1.0624	1.5306	46.0462	59.3543	101.1130	.0010	14.1704
11.0	2.6956	1.5333	1.00	.3710	2.6956	1.0300	1.0417	1.1319	1.6098	45.3226	57.9784	98.1953	.0011	13.7898
11.0	2.6956	1.5333	1.00	.3710	2.6956	1.0800	1.0639	1.2035	1.6894	44.5705	56.6340	95.2776	.0012	13.4091
11.0	2.6956	1.5333	1.00	.3710	2.6956	1.1300	1.0834	1.2775	1.7698	43.7947	55.3162	92.3598	.0014	13.0285
11.0	2.6956	1.5333	1.00	.3710	2.6956	1.1800	1.1003	1.3540	1.8513	42.9987	54.0208	89.4421	.0015	12.6479
11.0	2.6956	1.5333	1.00	.3710	2.6956	1.2300	1.1147	1.4331	1.9340	42.1850	52.7443	86.5244	.0017	12.2673
11.0	2.6956	1.5333	1.00	.3710	2.6956	1.2800	1.1267	1.5150	2.0183	41.3554	51.4833	83.6067	.0018	11.8867
11.0	2.6956	1.5333	1.00	.3710	2.6956	1.3300	1.1364	1.6000	2.1045	40.5111	50.2350	80.6890	.0020	11.5061
11.0	2.6956	1.5333	1.00	.3710	2.6956	1.3800	1.1438	1.6883	2.1928	39.6527	48.9967	77.7713	.0023	11.1254
11.0	2.6956	1.5333	1.00	.3710	2.6956	1.4300	1.1490	1.7802	2.2837	38.7808	47.7659	74.8536	.0025	10.7448
11.0	2.6956	1.5333	1.00	.3710	2.6956	1.4800	1.1520	1.8760	2.3773	37.8953	46.5402	71.9359	.0029	10.3642
11.0	2.6956	1.5333	1.00	.3710	2.6956	1.5300	1.1528	1.9760	2.4741	36.9961	45.3173	69.0182	.0032	9.9835
11.0	2.6956	1.5333	1.00	.3710	2.6956	1.5800	1.1514	2.0806	2.5745	36.0827	44.0949	66.1005	.0037	9.6029
11.0	2.6956	1.5333	1.00	.3710	2.6956	1.6300	1.1479	2.1903	2.6789	35.1545	42.8709	63.1828	.0042	9.2222
11.0	2.6956	1.5333	1.00	.3710	2.6956	1.6800	1.1422	2.3056	2.7880	34.2106	41.6430	60.2651	.0048	8.8415
11.0	2.6956	1.5333	1.00	.3710	2.6956	1.7300	1.1342	2.4270	2.9021	33.2499	40.4089	57.3474	.0055	8.4608
11.0	2.6956	1.5333	1.00	.3710	2.6956	1.7800	1.1240	2.5553	3.0221	32.2710	39.1661	54.4297	.0064	8.0802
11.0	2.6956	1.5333	1.00	.3710	2.6956	1.8300	1.1114	2.6913	3.1487	31.2722	37.9121	51.5120	.0074	7.6995
11.0	2.6956	1.5333	1.00	.3710	2.6956	1.8800	1.0965	2.8358	3.2829	30.2517	36.6440	48.5943	.0087	7.3187
11.0	2.6956	1.5333	1.00	.3710	2.6956	1.9300	1.0790	2.9900	3.4256	29.2072	35.3589	45.6766	.0103	6.9380
11.0	2.6956	1.5333	1.00	.3710	2.6956	1.9800	1.0588	3.1553	3.5781	28.1359	34.0532	42.7588	.0124	6.5572
11.0	2.6956	1.5333	1.00	.3710	2.6956	2.0300	1.0359	3.3332	3.7421	27.0345	32.7232	39.8411	.0149	6.1764
11.0	2.6956	1.5333	1.00	.3710	2.6956	2.0800	1.0099	3.5257	3.9194	25.8990	31.3642	36.9234	.0182	5.7956
11.0	2.6956	1.5333	1.00	.3710	2.6956	2.1300	.9808	3.7353	4.1123	24.7247	29.9712	34.0057	.0225	5.4148
11.0	2.6956	1.5333	1.00	.3710	2.6956	2.1800	.9481	3.9650	4.3238	23.5056	28.5378	31.0880	.0283	5.0338
11.0	2.6956	1.5333	1.00	.3710	2.6956	2.2300	.9116	4.2187	4.5576	22.2342	27.0563	28.1703	.0360	4.6528
11.0	2.6956	1.5333	1.00	.3710	2.6956	2.2800	.8707	4.5016	4.8187	20.9006	25.5171	25.2526	.0467	4.2718
11.0	2.6956	1.5333	1.00	.3710	2.6956	2.3300	.8247	4.8204	5.1135	19.4923	23.9079	22.3349	.0620	3.8905
11.0	2.6956	1.5333	1.00	.3710	2.6956	2.3800	.7729	5.1846	5.4511	17.9915	22.2120	19.4172	.0843	3.5091
11.0	2.6956	1.5333	1.00	.3710	2.6956	2.4300	.7139	5.6073	5.8443	16.3731	20.4067	16.4995	.1179	3.1274
11.0	2.6956	1.5333	1.00	.3710	2.6956	2.4800	.6459	6.1080	6.3118	14.5989	18.4587	13.5818	.1708	2.7452
11.0	2.6956	1.5333	1.00	.3710	2.6956	2.5300	.5658	6.7175	6.8834	12.6057	16.3153	10.6641	.2572	2.3621
11.0	2.6956	1.5333	1.00	.3710	2.6956	2.5800	.4677	7.4876	7.6096	10.2748	13.8849	7.7464	.4039	1.9771
11.0	2.6956	1.5333	1.00	.3710	2.6956	2.6300	.3383	8.5194	8.5896	7.3293	10.9766	4.8287	.6527	1.5870
11.0	2.6956	1.5333	1.00	.3710	2.6956	2.6800	.1268	10.1131	10.1244	2.7094	7.0171	1.9110	.9698	1.1694
11.0	2.6956	1.5333	1.08	.4119	2.4275	.4200	.1266	.3967	.4143	16.7716	86.6676	131.8306	.0004	21.7759
11.0	2.6956	1.5333	1.08	.4119	2.4275	.4700	.3356	.4481	.5507	35.5294	81.0204	128.6794	.0004	21.3648
11.0	2.6956	1.5333	1.08	.4119	2.4275	.5200	.4519	.5006	.6633	40.9944	77.7062	125.5283	.0005	20.9537
11.0	2.6956	1.5333	1.08	.4119	2.4275	.5700	.5393	.5543	.7630	43.4158	75.0785	122.3772	.0005	20.5425
11.0	2.6956	1.5333	1.08	.4119	2.4275	.6200	.6103	.6090	.8545	44.5490	72.8184	119.2261	.0005	20.1314
11.0	2.6956	1.5333	1.08	.4119	2.4275	.6700	.6702	.6649	.9405	45.0066	70.7948	116.0750	.0006	19.7203
11.0	2.6956	1.5333	1.08	.4119	2.4275	.7200	.7216	.7221	1.0224	45.0643	68.9384	112.9238	.0006	19.3091
11.0	2.6956	1.5333	1.08	.4119	2.4275	.7700	.7664	.7806	1.1014	44.8655	67.2076	109.7727	.0006	18.8979
11.0	2.6956	1.5333	1.08	.4119	2.4275	.8200	.8056	.8405	1.1783	44.4924	65.5748	106.6216	.0007	18.4867
11.0	2.6956	1.5333	1.08	.4119	2.4275	.8700	.8400	.9018	1.2536	43.9953	64.0206	103.4705	.0007	18.0756
11.0	2.6956	1.5333	1.08	.4119	2.4275	.9200	.8702	.9647	1.3279	43.4067	62.5309	100.3193	.0008	17.6644
11.0	2.6956	1.5333	1.08	.4119	2.4275	.9700	.8966	1.0292	1.4015	42.7482	61.0949	97.1682	.0008	17.2532
11.0	2.6956	1.5333	1.08	.4119	2.4275	1.0200	.9195	1.0954	1.4748	42.0348	59.7041	94.0171	.0009	16.8419
11.0	2.6956	1.5333	1.08	.4119	2.4275	1.0700	.9393	1.1634	1.5480	41.2768	58.3517	90.8660	.0010	16.4307
11.0	2.6956	1.5333	1.08	.4119	2.4275	1.1200	.9560	1.2333	1.6214	40.4818	57.0322	87.7149	.0010	16.0194
11.0	2.6956	1.5333	1.08	.4119	2.4275	1.1700	.9698	1.3052	1.6952	39.6549	55.7409	84.5637	.0011	15.6082
11.0	2.6956	1.5333	1.08	.4119	2.4275	1.2200	.9809	1.3792	1.7698	38.8001	54.4738	81.4126	.0012	15.1969
11.0	2.6956	1.5333	1.08	.4119	2.4275	1.2700	.9894	1.4556	1.8452	37.9197	53.2277	78.2615	.0013	14.7856
11.0	2.6956	1.5333	1.08	.4119	2.4275	1.3200	.9953	1.5344	1.9217	37.0157	51.9996	75.1104	.0014	14.3742
11.0	2.6956	1.5333	1.08	.4119	2.4275	1.3700	.9986	1.6158	1.9995	36.0889	50.7869	71.9592	.0015	13.9629
11.0	2.6956	1.5333	1.08	.4119	2.4275	1.4200	.9995	1.7000	2.0789	35.1399	49.5875	68.8081	.0017	13.5515
11.0	2.6956	1.5333	1.08	.4119	2.4275	1.4700	.9978	1.7872	2.1601	34.1684	48.3994	65.6570	.0018	13.1401
11.0	2.6956	1.5333	1.08	.4119	2.4275	1.5200	.9937	1.8776	2.2433	33.1740	47.2209	62.5059	.0020	12.7286
11.0	2.6956	1.5333	1.08	.4119	2.4275	1.5700	.9870	1.9715	2.3288	32.1556	46.0505	59.3548	.0022	12.3171
11.0	2.6956	1.5333	1.08	.4119	2.4275	1.6200	.9777	2.0692	2.4168	31.1118	44.8870	56.2036	.0024	11.9055
11.0	2.6956	1.5333	1.08	.4119	2.4275	1.6700	.9658	2.1709	2.5078	30.0408	43.7295	53.0525	.0026	11.4938
11.0	2.6956	1.5333	1.08	.4119	2.4275	1.7200	.9511	2.2771	2.6020	28.9400	42.5775	49.9014	.0029	11.0821
11.0	2.6956	1.5333	1.08	.4119	2.4275	1.7700	.9335	2.3881	2.6998	27.8064	41.4308	46.7503	.0032	10.6703
11.0	2.6956	1.5333	1.08	.4119	2.4275	1.8200	.9128	2.5043	2.8017	26.6362	40.2898	43.5991	.0035	10.2584
11.0	2.6956	1.5333	1.08	.4119	2.4275	1.8700	.8889	2.6264	2.9081	25.4246	39.1559	40.4480	.0039	9.8463
11.0	2.6956	1.5333	1.08	.4119	2.4275	1.9200	.8615	2.7549	3.0196	24.1658	38.0319	37.2969	.0043	9.4340
11.0	2.6956	1.5333	1.08	.4119	2.4275	1.9700	.8302	2.8906	3.1368	22.8522	36.9223	34.1458	.0048	9.0215
11.0	2.6956	1.5333	1.08	.4119	2.4275	2.0200	.7946	3.0342	3.2605	21.4740	35.8352	30.9947	.0054	8.6088
11.0	2.6956	1.5333	1.08	.4119	2.4275	2.0700	.7542	3.1867	3.3916	20.0183	34.7843	27.8435	.0060	8.1956
11.0	2.6956	1.5333	1.08	.4119	2.4275	2.1200	.7080	3.3493	3.5311	18.4676	33.7935	24.6924	.0066	7.7818
11.0	2.6956	1.5333	1.08	.4119	2.4275	2.1700	.6550	3.5234	3.6804	16.7966	32.9063	21.5413	.0073	7.3673
11.0	2.6956	1.5333	1.08	.4119	2.4275	2.2200	.5935	3.7108	3.8411	14.9675	32.2075	18.3902	.0080	6.9516
11.0	2.6956	1.5333	1.08	.4119	2.4275	2.2700	.5207	3.9138	4.0154	12.9182	31.8819	15.2390	.0087	6.5340
11.0	2.6956	1.5333	1.08	.4119	2.4275	2.3200	.4314	4.1354	4.2063	10.5337	32.4075	12.0879	.0092	6.1129
11.0	2.6956	1.5333	1.08	.4119	2.4275	2.3700	.3139	4.3807	4.4190	7.5442	35.4962	8.9368	.0093	5.6849
11.0	2.6956	1.5333	1.08	.4119	2.4275	2.4200	.1102	4.6597	4.6646	2.6080	57.6238	5.7857	.0086	5.2387

11.0	2.6956	1.5333	1.16	.4574	2.1862	.4600	.0665	.4351	.4396	8.2237	88.1361	127.1622	.0004	25.0422
11.0	2.6956	1.5333	1.16	.4574	2.1862	.5100	.2955	.4867	.5625	30.0907	81.5648	123.7777	.0004	24.6005
11.0	2.6956	1.5333	1.16	.4574	2.1862	.5600	.4065	.5393	.6664	35.9767	78.1819	120.3932	.0004	24.1588
11.0	2.6956	1.5333	1.16	.4574	2.1862	.6100	.4880	.5929	.7593	38.6619	75.5420	117.0086	.0005	23.7170
11.0	2.6956	1.5333	1.16	.4574	2.1862	.6600	.5533	.6476	.8450	39.9727	73.2886	113.6241	.0005	23.2753
11.0	2.6956	1.5333	1.16	.4574	2.1862	.7100	.6075	.7033	.9257	40.5509	71.2812	110.2395	.0005	22.8335
11.0	2.6956	1.5333	1.16	.4574	2.1862	.7600	.6534	.7603	1.0026	40.6885	69.4473	106.8550	.0005	22.3918
11.0	2.6956	1.5333	1.16	.4574	2.1862	.8100	.6928	.8184	1.0769	40.5394	67.7436	103.4705	.0006	21.9500
11.0	2.6956	1.5333	1.16	.4574	2.1862	.8600	.7266	.8778	1.1491	40.1921	66.1420	100.0859	.0006	21.5081
11.0	2.6956	1.5333	1.16	.4574	2.1862	.9100	.7555	.9385	1.2198	39.7016	64.6230	96.7014	.0006	21.0663
11.0	2.6956	1.5333	1.16	.4574	2.1862	.9600	.7803	1.0006	1.2895	39.1033	63.1725	93.3169	.0007	20.6244
11.0	2.6956	1.5333	1.16	.4574	2.1862	1.0100	.8011	1.0642	1.3583	38.4209	61.7799	89.9323	.0007	20.1825
11.0	2.6956	1.5333	1.16	.4574	2.1862	1.0600	.8184	1.1293	1.4268	37.6708	60.4371	86.5478	.0008	19.7406
11.0	2.6956	1.5333	1.16	.4574	2.1862	1.1100	.8323	1.1961	1.4950	36.8643	59.1379	83.1632	.0008	19.2986
11.0	2.6956	1.5333	1.16	.4574	2.1862	1.1600	.8431	1.2645	1.5632	36.0094	57.8775	79.7787	.0009	18.8566
11.0	2.6956	1.5333	1.16	.4574	2.1862	1.2100	.8508	1.3347	1.6317	35.1117	56.6520	76.3942	.0009	18.4145
11.0	2.6956	1.5333	1.16	.4574	2.1862	1.2600	.8555	1.4069	1.7005	34.1748	55.4586	73.0096	.0010	17.9724
11.0	2.6956	1.5333	1.16	.4574	2.1862	1.3100	.8573	1.4811	1.7700	33.2011	54.2952	69.6251	.0010	17.5302
11.0	2.6956	1.5333	1.16	.4574	2.1862	1.3600	.8562	1.5574	1.8403	32.1915	53.1607	66.2405	.0011	17.0879
11.0	2.6956	1.5333	1.16	.4574	2.1862	1.4100	.8521	1.6359	1.9115	31.1464	52.0546	62.8560	.0012	16.6456
11.0	2.6956	1.5333	1.16	.4574	2.1862	1.4600	.8451	1.7169	1.9838	30.0649	50.9773	59.4715	.0012	16.2031
11.0	2.6956	1.5333	1.16	.4574	2.1862	1.5100	.8351	1.8005	2.0575	28.9454	49.9304	56.0869	.0013	15.7605
11.0	2.6956	1.5333	1.16	.4574	2.1862	1.5600	.8220	1.8868	2.1327	27.7853	48.9168	52.7024	.0014	15.3178
11.0	2.6956	1.5333	1.16	.4574	2.1862	1.6100	.8056	1.9760	2.2096	26.5810	47.9410	49.3178	.0015	14.8749
11.0	2.6956	1.5333	1.16	.4574	2.1862	1.6600	.7857	2.0684	2.2884	25.3276	47.0101	45.9333	.0016	14.4318
11.0	2.6956	1.5333	1.16	.4574	2.1862	1.7100	.7620	2.1642	2.3694	24.0189	46.1347	42.5488	.0017	13.9884
11.0	2.6956	1.5333	1.16	.4574	2.1862	1.7600	.7343	2.2637	2.4528	22.6463	45.3307	39.1642	.0018	13.5448
11.0	2.6956	1.5333	1.16	.4574	2.1862	1.8100	.7020	2.3671	2.5390	21.1987	44.6224	35.7797	.0019	13.1006
11.0	2.6956	1.5333	1.16	.4574	2.1862	1.8600	.6645	2.4749	2.6281	19.6607	44.0480	32.3952	.0020	12.6560
11.0	2.6956	1.5333	1.16	.4574	2.1862	1.9100	.6210	2.5874	2.7207	18.0106	43.6702	29.0106	.0021	12.2106
11.0	2.6956	1.5333	1.16	.4574	2.1862	1.9600	.5700	2.7050	2.8171	16.2166	43.5981	25.6261	.0021	11.7641
11.0	2.6956	1.5333	1.16	.4574	2.1862	2.0100	.5096	2.8284	2.9179	14.2275	44.0385	22.2415	.0022	11.3162
11.0	2.6956	1.5333	1.16	.4574	2.1862	2.0600	.4361	2.9582	3.0238	11.9532	45.4370	18.8570	.0022	10.8659
11.0	2.6956	1.5333	1.16	.4574	2.1862	2.1100	.3417	3.0954	3.1357	9.2000	48.9769	15.4725	.0022	10.4119
11.0	2.6956	1.5333	1.16	.4574	2.1862	2.1600	.2012	3.2413	3.2553	5.3206	59.5957	12.0879	.0021	9.9508
11.0	2.6956	1.5333	1.24	.5092	1.9638	.5100	.0338	.4839	.4850	3.7971	88.9851	121.3969	.0004	28.4417
11.0	2.6956	1.5333	1.24	.5092	1.9638	.5600	.2658	.5358	.5931	25.3872	81.8719	117.7789	.0004	27.9694
11.0	2.6956	1.5333	1.24	.5092	1.9638	.6100	.3676	.5886	.6872	31.0725	78.5250	114.1609	.0004	27.4970
11.0	2.6956	1.5333	1.24	.5092	1.9638	.6600	.4411	.6424	.7727	33.7586	75.9344	110.5430	.0004	27.0246
11.0	2.6956	1.5333	1.24	.5092	1.9638	.7100	.4991	.6972	.8522	35.1060	73.7354	106.9250	.0005	26.5522
11.0	2.6956	1.5333	1.24	.5092	1.9638	.7600	.5465	.7530	.9275	35.7172	71.7863	103.3071	.0005	26.0798
11.0	2.6956	1.5333	1.24	.5092	1.9638	.8100	.5858	.8100	.9996	35.8740	70.0149	99.6891	.0005	25.6073
11.0	2.6956	1.5333	1.24	.5092	1.9638	.8600	.6186	.8680	1.0692	35.7279	68.3788	96.0712	.0005	25.1348
11.0	2.6956	1.5333	1.24	.5092	1.9638	.9100	.6459	.9272	1.1371	35.3675	66.8505	92.4532	.0006	24.6622
11.0	2.6956	1.5333	1.24	.5092	1.9638	.9600	.6684	.9877	1.2035	34.8482	65.4117	88.8353	.0006	24.1896
11.0	2.6956	1.5333	1.24	.5092	1.9638	1.0100	.6866	1.0494	1.2689	34.2061	64.0494	85.2173	.0006	23.7169
11.0	2.6956	1.5333	1.24	.5092	1.9638	1.0600	.7007	1.1125	1.3336	33.4654	62.7548	81.5993	.0006	23.2441
11.0	2.6956	1.5333	1.24	.5092	1.9638	1.1100	.7110	1.1770	1.3978	32.6423	61.5216	77.9814	.0007	22.7713
11.0	2.6956	1.5333	1.24	.5092	1.9638	1.1600	.7178	1.2430	1.4617	31.7481	60.3457	74.3634	.0007	22.2983
11.0	2.6956	1.5333	1.24	.5092	1.9638	1.2100	.7210	1.3106	1.5256	30.7900	59.2252	70.7455	.0007	21.8253
11.0	2.6956	1.5333	1.24	.5092	1.9638	1.2600	.7208	1.3798	1.5896	29.7726	58.1599	67.1275	.0008	21.3521
11.0	2.6956	1.5333	1.24	.5092	1.9638	1.3100	.7171	1.4507	1.6538	28.6980	57.1516	63.5096	.0008	20.8788
11.0	2.6956	1.5333	1.24	.5092	1.9638	1.3600	.7100	1.5234	1.7185	27.5666	56.2043	59.8916	.0008	20.4054
11.0	2.6956	1.5333	1.24	.5092	1.9638	1.4100	.6992	1.5981	1.7838	26.3768	55.3248	56.2737	.0008	19.9317
11.0	2.6956	1.5333	1.24	.5092	1.9638	1.4600	.6847	1.6748	1.8498	25.1249	54.5235	52.6557	.0009	19.4578
11.0	2.6956	1.5333	1.24	.5092	1.9638	1.5100	.6662	1.7537	1.9167	23.8053	53.8163	49.0378	.0009	18.9836
11.0	2.6956	1.5333	1.24	.5092	1.9638	1.5600	.6433	1.8348	1.9847	22.4097	53.2262	45.4198	.0009	18.5090
11.0	2.6956	1.5333	1.24	.5092	1.9638	1.6100	.6156	1.9184	2.0539	20.9261	52.7882	41.8018	.0010	18.0340
11.0	2.6956	1.5333	1.24	.5092	1.9638	1.6600	.5825	2.0046	2.1244	19.3373	52.5565	38.1839	.0010	17.5584
11.0	2.6956	1.5333	1.24	.5092	1.9638	1.7100	.5430	2.0936	2.1966	17.6180	52.6183	34.5659	.0010	17.0820
11.0	2.6956	1.5333	1.24	.5092	1.9638	1.7600	.4957	2.1855	2.2705	15.7291	53.1229	30.9480	.0010	16.6046
11.0	2.6956	1.5333	1.24	.5092	1.9638	1.8100	.4380	2.2807	2.3466	13.6049	54.3499	27.3300	.0010	16.1257
11.0	2.6956	1.5333	1.24	.5092	1.9638	1.8600	.3655	2.3795	2.4250	11.1187	56.8991	23.7121	.0010	15.6447
11.0	2.6956	1.5333	1.24	.5092	1.9638	1.9100	.2669	2.4822	2.5063	7.9537	62.4128	20.0941	.0010	15.1604
11.0	2.6956	1.5333	1.24	.5092	1.9638	1.9600	.0721	2.5893	2.5911	2.1074	81.1030	16.4762	.0009	14.6708

11.0	2.6956	1.5333	1.32	.5706	1.7526	.5800	.1045	.5535	.5625	10.2175	86.6127	113.6241	.0004	31.8553
11.0	2.6956	1.5333	1.32	.5706	1.7526	.6300	.2569	.6061	.6545	22.1866	81.4859	109.7727	.0004	31.3523
11.0	2.6956	1.5333	1.32	.5706	1.7526	.6800	.3407	.6595	.7376	26.6150	78.4425	105.9213	.0004	30.8492
11.0	2.6956	1.5333	1.32	.5706	1.7526	.7300	.4015	.7138	.8147	28.8115	76.0488	102.0700	.0004	30.3460
11.0	2.6956	1.5333	1.32	.5706	1.7526	.7800	.4487	.7691	.8873	29.9099	74.0138	98.2186	.0004	29.8428
11.0	2.6956	1.5333	1.32	.5706	1.7526	.8300	.4863	.8254	.9566	30.3652	72.2181	94.3672	.0005	29.3396
11.0	2.6956	1.5333	1.32	.5706	1.7526	.8800	.5164	.8827	1.0235	30.4030	70.5995	90.5159	.0005	28.8362
11.0	2.6956	1.5333	1.32	.5706	1.7526	.9300	.5402	.9411	1.0884	30.1498	69.1220	86.6645	.0005	28.3328
11.0	2.6956	1.5333	1.32	.5706	1.7526	.9800	.5586	1.0007	1.1518	29.6816	67.7634	82.8131	.0005	27.8292
11.0	2.6956	1.5333	1.32	.5706	1.7526	1.0300	.5720	1.0614	1.2141	29.0465	66.5103	78.9617	.0005	27.3256
11.0	2.6956	1.5333	1.32	.5706	1.7526	1.0800	.5809	1.1233	1.2755	28.2756	65.3551	75.1104	.0005	26.8218
11.0	2.6956	1.5333	1.32	.5706	1.7526	1.1300	.5855	1.1865	1.3363	27.3891	64.2950	71.2590	.0006	26.3178
11.0	2.6956	1.5333	1.32	.5706	1.7526	1.1800	.5857	1.2510	1.3967	26.3996	63.3316	67.4076	.0006	25.8137
11.0	2.6956	1.5333	1.32	.5706	1.7526	1.2300	.5818	1.3170	1.4569	25.3143	62.4709	63.5563	.0006	25.3094
11.0	2.6956	1.5333	1.32	.5706	1.7526	1.2800	.5735	1.3844	1.5170	24.1353	61.7244	59.7049	.0006	24.8047
11.0	2.6956	1.5333	1.32	.5706	1.7526	1.3300	.5607	1.4533	1.5772	22.8610	61.1105	55.8535	.0006	24.2998
11.0	2.6956	1.5333	1.32	.5706	1.7526	1.3800	.5432	1.5239	1.6377	21.4847	60.6572	52.0021	.0006	23.7946
11.0	2.6956	1.5333	1.32	.5706	1.7526	1.4300	.5203	1.5961	1.6985	19.9947	60.4076	48.1508	.0006	23.2888
11.0	2.6956	1.5333	1.32	.5706	1.7526	1.4800	.4915	1.6702	1.7599	18.3715	60.4287	44.2994	.0006	22.7824
11.0	2.6956	1.5333	1.32	.5706	1.7526	1.5300	.4556	1.7462	1.8220	16.5835	60.8290	40.4480	.0006	22.2753
11.0	2.6956	1.5333	1.32	.5706	1.7526	1.5800	.4109	1.8242	1.8848	14.5779	61.7965	36.5967	.0006	21.7672
11.0	2.6956	1.5333	1.32	.5706	1.7526	1.6300	.3541	1.9043	1.9487	12.2572	63.6911	32.7453	.0006	21.2578
11.0	2.6956	1.5333	1.32	.5706	1.7526	1.6800	.2782	1.9868	2.0138	9.4022	67.3366	28.8939	.0006	20.7465
11.0	2.6956	1.5333	1.32	.5706	1.7526	1.7300	.1581	2.0717	2.0804	5.2229	75.6071	25.0425	.0006	20.2324
11.0	2.6956	1.5333	1.40	.6486	1.5418	.6500	.0355	.6236	.6245	3.1229	88.7523	105.1978	.0004	35.4594
11.0	2.6956	1.5333	1.40	.6486	1.5418	.7000	.2069	.6767	.7056	16.4664	82.5311	101.1130	.0004	34.9255
11.0	2.6956	1.5333	1.40	.6486	1.5418	.7500	.2817	.7306	.7805	20.5890	79.5542	97.0282	.0004	34.3915
11.0	2.6956	1.5333	1.40	.6486	1.5418	.8000	.3331	.7855	.8508	22.6069	77.3003	92.9434	.0004	33.8574
11.0	2.6956	1.5333	1.40	.6486	1.5418	.8500	.3709	.8412	.9178	23.5756	75.4412	88.8586	.0004	33.3233
11.0	2.6956	1.5333	1.40	.6486	1.5418	.9000	.3990	.8979	.9822	23.9111	73.8527	84.7738	.0004	32.7889
11.0	2.6956	1.5333	1.40	.6486	1.5418	.9500	.4194	.9556	1.0446	23.8205	72.4756	80.6890	.0004	32.2544
11.0	2.6956	1.5333	1.40	.6486	1.5418	1.0000	.4331	1.0144	1.1054	23.4195	71.2802	76.6042	.0004	31.7198
11.0	2.6956	1.5333	1.40	.6486	1.5418	1.0500	.4409	1.0742	1.1650	22.7764	70.2542	72.5194	.0004	31.1849
11.0	2.6956	1.5333	1.40	.6486	1.5418	1.1000	.4429	1.1351	1.2237	21.9320	69.3978	68.4347	.0005	30.6498
11.0	2.6956	1.5333	1.40	.6486	1.5418	1.1500	.4394	1.1972	1.2816	20.9094	68.7226	64.3499	.0005	30.1143
11.0	2.6956	1.5333	1.40	.6486	1.5418	1.2000	.4301	1.2605	1.3391	19.7179	68.2535	60.2651	.0005	29.5786
11.0	2.6956	1.5333	1.40	.6486	1.5418	1.2500	.4147	1.3251	1.3962	18.3549	68.0334	56.1803	.0005	29.0423
11.0	2.6956	1.5333	1.40	.6486	1.5418	1.3000	.3926	1.3910	1.4531	16.8042	68.1323	52.0955	.0005	28.5056
11.0	2.6956	1.5333	1.40	.6486	1.5418	1.3500	.3625	1.4584	1.5100	15.0303	68.6677	48.0107	.0005	27.9682
11.0	2.6956	1.5333	1.40	.6486	1.5418	1.4000	.3223	1.5271	1.5671	12.9628	69.8495	43.9259	.0005	27.4299
11.0	2.6956	1.5333	1.40	.6486	1.5418	1.4500	.2674	1.5975	1.6244	10.4502	72.1041	39.8411	.0005	26.8905
11.0	2.6956	1.5333	1.40	.6486	1.5418	1.5000	.1858	1.6694	1.6822	7.0593	76.5751	35.7564	.0005	26.3497
11.0	2.6956	1.5333	1.48	.7652	1.3068	.7700	.0502	.7476	.7492	3.7310	88.0109	91.7996	.0004	38.6885
11.0	2.6956	1.5333	1.48	.7652	1.3068	.8200	.1622	.8021	.8176	11.1891	83.3715	87.4814	.0004	38.1234
11.0	2.6956	1.5333	1.48	.7652	1.3068	.8700	.2124	.8574	.8826	13.7226	81.0293	83.1632	.0004	37.5580
11.0	2.6956	1.5333	1.48	.7652	1.3068	.9200	.2429	.9135	.9448	14.7896	79.3830	78.8450	.0004	36.9925
11.0	2.6956	1.5333	1.48	.7652	1.3068	.9700	.2606	.9706	1.0051	15.0379	78.1849	74.5268	.0004	36.4267
11.0	2.6956	1.5333	1.48	.7652	1.3068	1.0200	.2681	1.0287	1.0636	14.7272	77.3626	70.2086	.0004	35.8606
11.0	2.6956	1.5333	1.48	.7652	1.3068	1.0700	.2663	1.0878	1.1209	13.9764	76.9152	65.8904	.0004	35.2941
11.0	2.6956	1.5333	1.48	.7652	1.3068	1.1200	.2550	1.1478	1.1772	12.8282	76.8979	61.5722	.0004	34.7272
11.0	2.6956	1.5333	1.48	.7652	1.3068	1.1700	.2330	1.2090	1.2327	11.2608	77.4419	57.2540	.0004	34.1597
11.0	2.6956	1.5333	1.48	.7652	1.3068	1.2200	.1965	1.2713	1.2877	9.1506	78.8361	52.9358	.0004	33.5915
11.0	2.6956	1.5333	1.48	.7652	1.3068	1.2700	.1346	1.3347	1.3422	6.0521	81.8973	48.6176	.0004	33.0224

PROPERTIES OF AN OBLIQUE DETONATION WAVE GAMMA = 1.3

M1	M1*	DELMAX	DEL	XMIN	XMAX	X(M2U*)	Y(M2V*)	M2U	M2	THETA	SIGMA	PR21	PTR21	TR21
14.0	2.7230	1.5451	1.00	.3672	2.7230	.3700	.0803	.3483	.3564	12.2387	88.0464	221.1773	.0001	29.8316
14.0	2.7230	1.5451	1.00	.3672	2.7230	.4200	.3476	.3995	.5186	39.6147	81.4159	216.4986	.0001	29.2213
14.0	2.7230	1.5451	1.00	.3672	2.7230	.4700	.4799	.4518	.6456	45.5944	77.9763	211.8198	.0001	28.6111
14.0	2.7230	1.5451	1.00	.3672	2.7230	.5200	.5785	.5052	.7558	48.0487	75.2861	207.1411	.0001	28.0008
14.0	2.7230	1.5451	1.00	.3672	2.7230	.5700	.6588	.5600	.8559	49.1354	72.9849	202.4623	.0001	27.3905
14.0	2.7230	1.5451	1.00	.3672	2.7230	.6200	.7270	.6160	.9493	49.5407	70.9302	197.7836	.0001	26.7802
14.0	2.7230	1.5451	1.00	.3672	2.7230	.6700	.7861	.6734	1.0381	49.5575	69.0484	193.1048	.0001	26.1699
14.0	2.7230	1.5451	1.00	.3672	2.7230	.7200	.8380	.7322	1.1236	49.3325	67.2955	188.4261	.0001	25.5596
14.0	2.7230	1.5451	1.00	.3672	2.7230	.7700	.8841	.7926	1.2068	48.9476	65.6426	183.7473	.0002	24.9493
14.0	2.7230	1.5451	1.00	.3672	2.7230	.8200	.9253	.8546	1.2885	48.4519	64.0696	179.0686	.0002	24.3390
14.0	2.7230	1.5451	1.00	.3672	2.7230	.8700	.9621	.9183	1.3691	47.8764	62.5618	174.3899	.0002	23.7288
14.0	2.7230	1.5451	1.00	.3672	2.7230	.9200	.9950	.9838	1.4491	47.2418	61.1078	169.7111	.0002	23.1185
14.0	2.7230	1.5451	1.00	.3672	2.7230	.9700	1.0244	1.0512	1.5289	46.5620	59.6990	165.0324	.0002	22.5082
14.0	2.7230	1.5451	1.00	.3672	2.7230	1.0200	1.0506	1.1207	1.6089	45.8469	58.3282	160.3536	.0002	21.8979
14.0	2.7230	1.5451	1.00	.3672	2.7230	1.0700	1.0739	1.1924	1.6893	45.1033	56.9897	155.6749	.0003	21.2876
14.0	2.7230	1.5451	1.00	.3672	2.7230	1.1200	1.0943	1.2664	1.7705	44.3363	55.6783	150.9961	.0003	20.6773
14.0	2.7230	1.5451	1.00	.3672	2.7230	1.1700	1.1122	1.3429	1.8528	43.5495	54.3901	146.3174	.0003	20.0670
14.0	2.7230	1.5451	1.00	.3672	2.7230	1.2200	1.1276	1.4220	1.9364	42.7454	53.1213	141.6387	.0004	19.4567
14.0	2.7230	1.5451	1.00	.3672	2.7230	1.2700	1.1405	1.5041	2.0216	41.9259	51.8687	136.9599	.0004	18.8464
14.0	2.7230	1.5451	1.00	.3672	2.7230	1.3200	1.1512	1.5893	2.1088	41.0923	50.6293	132.2812	.0005	18.2361
14.0	2.7230	1.5451	1.00	.3672	2.7230	1.3700	1.1596	1.6778	2.1981	40.2453	49.4006	127.6024	.0005	17.6258
14.0	2.7230	1.5451	1.00	.3672	2.7230	1.4200	1.1658	1.7699	2.2900	39.3855	48.1799	122.9237	.0006	17.0155
14.0	2.7230	1.5451	1.00	.3672	2.7230	1.4700	1.1698	1.8660	2.3848	38.5129	46.9650	118.2449	.0006	16.4052
14.0	2.7230	1.5451	1.00	.3672	2.7230	1.5200	1.1717	1.9664	2.4828	37.6274	45.7537	113.5662	.0007	15.7948
14.0	2.7230	1.5451	1.00	.3672	2.7230	1.5700	1.1715	2.0715	2.5846	36.7288	44.5436	108.8874	.0008	15.1845
14.0	2.7230	1.5451	1.00	.3672	2.7230	1.6200	1.1691	2.1818	2.6906	35.8164	43.3328	104.2087	.0009	14.5742
14.0	2.7230	1.5451	1.00	.3672	2.7230	1.6700	1.1646	2.2977	2.8012	34.8894	42.1190	99.5300	.0011	13.9639
14.0	2.7230	1.5451	1.00	.3672	2.7230	1.7200	1.1578	2.4200	2.9172	33.9470	40.9000	94.8512	.0013	13.3535
14.0	2.7230	1.5451	1.00	.3672	2.7230	1.7700	1.1489	2.5493	3.0393	32.9880	39.6734	90.1725	.0015	12.7432
14.0	2.7230	1.5451	1.00	.3672	2.7230	1.8200	1.1377	2.6864	3.1682	32.0108	38.4369	85.4937	.0017	12.1328
14.0	2.7230	1.5451	1.00	.3672	2.7230	1.8700	1.1242	2.8324	3.3049	31.0138	37.1878	80.8150	.0020	11.5225
14.0	2.7230	1.5451	1.00	.3672	2.7230	1.9200	1.1083	2.9884	3.4505	29.9950	35.9232	76.1362	.0024	10.9121
14.0	2.7230	1.5451	1.00	.3672	2.7230	1.9700	1.0898	3.1557	3.6064	28.9521	34.6401	71.4575	.0029	10.3017
14.0	2.7230	1.5451	1.00	.3672	2.7230	2.0200	1.0687	3.3362	3.7743	27.8821	33.3348	66.7788	.0036	9.6913
14.0	2.7230	1.5451	1.00	.3672	2.7230	2.0700	1.0448	3.5318	3.9562	26.7818	32.0034	62.1000	.0044	9.0809
14.0	2.7230	1.5451	1.00	.3672	2.7230	2.1200	1.0179	3.7452	4.1545	25.6470	30.6410	57.4213	.0055	8.4705
14.0	2.7230	1.5451	1.00	.3672	2.7230	2.1700	.9877	3.9796	4.3724	24.4729	29.2422	52.7425	.0070	7.8600
14.0	2.7230	1.5451	1.00	.3672	2.7230	2.2200	.9539	4.2392	4.6140	23.2532	27.8000	48.0638	.0090	7.2495
14.0	2.7230	1.5451	1.00	.3672	2.7230	2.2700	.9162	4.5296	4.8847	21.9802	26.3064	43.3850	.0119	6.6390
14.0	2.7230	1.5451	1.00	.3672	2.7230	2.3200	.8741	4.8582	5.1916	20.6437	24.7506	38.7063	.0161	6.0283
14.0	2.7230	1.5451	1.00	.3672	2.7230	2.3700	.8267	5.2352	5.5446	19.2304	23.1189	34.0275	.0225	5.4176
14.0	2.7230	1.5451	1.00	.3672	2.7230	2.4200	.7733	5.6752	5.9579	17.7217	21.3928	29.3488	.0326	4.8067
14.0	2.7230	1.5451	1.00	.3672	2.7230	2.4700	.7125	6.1999	6.4527	16.0908	19.5460	24.6701	.0494	4.1957
14.0	2.7230	1.5451	1.00	.3672	2.7230	2.5200	.6422	6.8437	7.0624	14.2960	17.5392	19.9913	.0792	3.5842
14.0	2.7230	1.5451	1.00	.3672	2.7230	2.5700	.5588	7.6648	7.8438	12.2670	15.3079	15.3126	.1365	2.9720
14.0	2.7230	1.5451	1.00	.3672	2.7230	2.6200	.4556	8.7722	8.9038	9.8647	12.7334	10.6338	.2584	2.3581
14.0	2.7230	1.5451	1.00	.3672	2.7230	2.6700	.3151	10.4110	10.4832	6.7306	9.5396	5.9551	.5419	1.7387
14.0	2.7230	1.5451	1.00	.3672	2.7230	2.7200	.0369	13.5940	13.5953	.7782	4.5703	1.2763	.9984	1.0583
14.0	2.7230	1.5451	1.08	.4075	2.4538	.4100	.0707	.3867	.3924	9.7906	88.1666	214.3650	.0001	34.6579
14.0	2.7230	1.5451	1.08	.4075	2.4538	.4600	.3225	.4381	.5350	35.0372	81.5078	209.3120	.0001	33.9988
14.0	2.7230	1.5451	1.08	.4075	2.4538	.5100	.4450	.4905	.6509	41.1088	78.0907	204.2590	.0001	33.3396
14.0	2.7230	1.5451	1.08	.4075	2.4538	.5600	.5358	.5439	.7528	43.7353	75.4215	199.2059	.0001	32.6804
14.0	2.7230	1.5451	1.08	.4075	2.4538	.6100	.6092	.5986	.8460	44.9622	73.1402	194.1529	.0001	32.0211
14.0	2.7230	1.5451	1.08	.4075	2.4538	.6600	.6709	.6544	.9332	45.4707	71.1048	189.0998	.0001	31.3619
14.0	2.7230	1.5451	1.08	.4075	2.4538	.7100	.7240	.7115	1.0162	45.5596	69.2419	184.0468	.0001	30.7027
14.0	2.7230	1.5451	1.08	.4075	2.4538	.7600	.7702	.7699	1.0962	45.3822	67.5079	178.9937	.0001	30.0435
14.0	2.7230	1.5451	1.08	.4075	2.4538	.8100	.8107	.8297	1.1739	45.0252	65.8740	173.9407	.0001	29.3843
14.0	2.7230	1.5451	1.08	.4075	2.4538	.8600	.8463	.8910	1.2501	44.5414	64.3203	168.8877	.0002	28.7250
14.0	2.7230	1.5451	1.08	.4075	2.4538	.9100	.8777	.9538	1.3252	43.9645	62.8323	163.8346	.0002	28.0658
14.0	2.7230	1.5451	1.08	.4075	2.4538	.9600	.9052	1.0183	1.3995	43.3169	61.3989	158.7816	.0002	27.4065
14.0	2.7230	1.5451	1.08	.4075	2.4538	1.0100	.9292	1.0844	1.4735	42.6142	60.0113	153.7285	.0002	26.7472
14.0	2.7230	1.5451	1.08	.4075	2.4538	1.0600	.9500	1.1524	1.5475	41.8670	58.6628	148.6755	.0002	26.0879
14.0	2.7230	1.5451	1.08	.4075	2.4538	1.1100	.9677	1.2223	1.6216	41.0831	57.3476	143.6224	.0002	25.4286
14.0	2.7230	1.5451	1.08	.4075	2.4538	1.1600	.9826	1.2942	1.6962	40.2679	56.0609	138.5694	.0002	24.7693
14.0	2.7230	1.5451	1.08	.4075	2.4538	1.2100	.9948	1.3684	1.7714	39.4253	54.7989	133.5164	.0003	24.1100
14.0	2.7230	1.5451	1.08	.4075	2.4538	1.2600	1.0043	1.4448	1.8476	38.5581	53.5581	128.4633	.0003	23.4506
14.0	2.7230	1.5451	1.08	.4075	2.4538	1.3100	1.0113	1.5237	1.9249	37.6680	52.3355	123.4103	.0003	22.7913
14.0	2.7230	1.5451	1.08	.4075	2.4538	1.3600	1.0158	1.6052	2.0036	36.7562	51.1285	118.3572	.0003	22.1319
14.0	2.7230	1.5451	1.08	.4075	2.4538	1.4100	1.0178	1.6896	2.0838	35.8232	49.9349	113.3042	.0004	21.4725
14.0	2.7230	1.5451	1.08	.4075	2.4538	1.4600	1.0173	1.7770	2.1659	34.8692	48.7526	108.2511	.0004	20.8130
14.0	2.7230	1.5451	1.08	.4075	2.4538	1.5100	1.0144	1.8677	2.2501	33.8936	47.5799	103.1981	.0004	20.1535
14.0	2.7230	1.5451	1.08	.4075	2.4538	1.5600	1.0090	1.9619	2.3366	32.8958	46.4151	98.1450	.0005	19.4940
14.0	2.7230	1.5451	1.08	.4075	2.4538	1.6100	1.0011	2.0600	2.4258	31.8745	45.2570	93.0920	.0005	18.8344
14.0	2.7230	1.5451	1.08	.4075	2.4538	1.6600	.9907	2.1621	2.5179	30.8281	44.1044	88.0390	.0006	18.1748
14.0	2.7230	1.5451	1.08	.4075	2.4538	1.7100	.9775	2.2688	2.6134	29.7544	42.9565	82.9859	.0007	17.5151
14.0	2.7230	1.5451	1.08	.4075	2.4538	1.7600	.9616	2.3804	2.7126	28.6509	41.8127	77.9329	.0007	16.8553
14.0	2.7230	1.5451	1.08	.4075	2.4538	1.8100	.9428	2.4974	2.8159	27.5143	40.6730	72.8798	.0008	16.1955
14.0	2.7230	1.5451	1.08	.4075	2.4538	1.8600	.9209	2.6204	2.9240	26.3405	39.5380	67.8268	.0009	15.5355
14.0	2.7230	1.5451	1.08	.4075	2.4538	1.9100	.8957	2.7499	3.0372	25.1246	38.4091	62.7737	.0010	14.8753
14.0	2.7230	1.5451	1.08	.4075	2.4538	1.9600	.8669	2.8866	3.1564	23.8603	37.2892	57.7207	.0011	14.2150
14.0	2.7230	1.5451	1.08	.4075	2.4538	2.0100	.8342	3.0316	3.2823	22.5396	36.1832	52.6677	.0013	13.5545
14.0	2.7230	1.5451	1.08	.4075	2.4538	2.0600	.7970	3.1856	3.4157	21.1520	35.0998	47.6146	.0014	12.8937
14.0	2.7230	1.5451	1.08	.4075	2.4538	2.1100	.7548	3.3500	3.5578	19.6837	34.0540	42.5616	.0016	12.2324
14.0	2.7230	1.5451	1.08	.4075	2.4538	2.1600	.7066	3.5260	3.7099	18.1154	33.0721	37.5085	.0018	11.5706
14.0	2.7230	1.5451	1.08	.4075	2.4538	2.2100	.6512	3.7156	3.8736	16.4194	32.2031	32.4555	.0020	10.9079
14.0	2.7230	1.5451	1.08	.4075	2.4538	2.2600	.5867	3.9209	4.0509	14.5524	31.5457	27.4024	.0022	10.2438
14.0	2.7230	1.5451	1.08	.4075	2.4538	2.3100	.5097	4.1447	4.2444	12.4418	31.3238	22.3494	.0024	9.5776
14.0	2.7230	1.5451	1.08	.4075	2.4538	2.3600	.4137	4.3909	4.4579	9.9439	32.1615	17.2964	.0026	8.9072
14.0	2.7230	1.5451	1.08	.4075	2.4538	2.4100	.2822	4.6654	4.6973	6.6780	36.6788	12.2433	.0026	8.2277

14.0	2.7230	1.5451	1.16	.4521	2.2119	.4600	.1173	.4354	.4493	14.3004	86.7551	205.8684	.0001	39.7039
14.0	2.7230	1.5451	1.16	.4521	2.2119	.5100	.3130	.4871	.5715	31.5384	81.1844	200.4411	.0001	38.9957
14.0	2.7230	1.5451	1.16	.4521	2.2119	.5600	.4209	.5398	.6752	36.9313	77.9281	195.0138	.0001	38.2876
14.0	2.7230	1.5451	1.16	.4521	2.2119	.6100	.5014	.5935	.7682	39.4197	75.3509	189.5864	.0001	37.5794
14.0	2.7230	1.5451	1.16	.4521	2.2119	.6600	.5663	.6483	.8541	40.6281	73.1380	184.1591	.0001	36.8713
14.0	2.7230	1.5451	1.16	.4521	2.2119	.7100	.6204	.7042	.9351	41.1460	71.1601	178.7317	.0001	36.1631
14.0	2.7230	1.5451	1.16	.4521	2.2119	.7600	.6664	.7612	1.0124	41.2461	69.3493	173.3044	.0001	35.4549
14.0	2.7230	1.5451	1.16	.4521	2.2119	.8100	.7059	.8195	1.0871	41.0728	67.6645	167.8770	.0001	34.7466
14.0	2.7230	1.5451	1.16	.4521	2.2119	.8600	.7400	.8791	1.1598	40.7103	66.0788	162.4497	.0001	34.0384
14.0	2.7230	1.5451	1.16	.4521	2.2119	.9100	.7693	.9401	1.2310	40.2107	64.5734	157.0224	.0001	33.3301
14.0	2.7230	1.5451	1.16	.4521	2.2119	.9600	.7944	1.0025	1.3012	39.6078	63.1347	151.5950	.0002	32.6218
14.0	2.7230	1.5451	1.16	.4521	2.2119	1.0100	.8157	1.0663	1.3706	38.9243	61.7524	146.1677	.0002	31.9135
14.0	2.7230	1.5451	1.16	.4521	2.2119	1.0600	.8334	1.1317	1.4396	38.1760	60.4187	140.7403	.0002	31.2051
14.0	2.7230	1.5451	1.16	.4521	2.2119	1.1100	.8479	1.1988	1.5085	37.3737	59.1275	135.3130	.0002	30.4967
14.0	2.7230	1.5451	1.16	.4521	2.2119	1.1600	.8591	1.2676	1.5774	36.5252	57.8738	129.8856	.0002	29.7883
14.0	2.7230	1.5451	1.16	.4521	2.2119	1.2100	.8674	1.3382	1.6466	35.6357	56.6539	124.4583	.0002	29.0798
14.0	2.7230	1.5451	1.16	.4521	2.2119	1.2600	.8728	1.4108	1.7162	34.7089	55.4648	119.0310	.0002	28.3713
14.0	2.7230	1.5451	1.16	.4521	2.2119	1.3100	.8752	1.4855	1.7865	33.7471	54.3046	113.6036	.0002	27.6627
14.0	2.7230	1.5451	1.16	.4521	2.2119	1.3600	.8748	1.5623	1.8576	32.7514	53.1716	108.1763	.0002	26.9541
14.0	2.7230	1.5451	1.16	.4521	2.2119	1.4100	.8716	1.6415	1.9298	31.7220	52.0653	102.7489	.0003	26.2453
14.0	2.7230	1.5451	1.16	.4521	2.2119	1.4600	.8654	1.7231	2.0031	30.6583	50.9858	97.3216	.0003	25.5365
14.0	2.7230	1.5451	1.16	.4521	2.2119	1.5100	.8564	1.8074	2.0778	29.5590	49.9340	91.8942	.0003	24.8276
14.0	2.7230	1.5451	1.16	.4521	2.2119	1.5600	.8443	1.8945	2.1541	28.4217	48.9122	86.4669	.0003	24.1185
14.0	2.7230	1.5451	1.16	.4521	2.2119	1.6100	.8290	1.9846	2.2322	27.2432	47.9238	81.0396	.0003	23.4093
14.0	2.7230	1.5451	1.16	.4521	2.2119	1.6600	.8103	2.0780	2.3123	26.0194	46.9745	75.6122	.0004	22.6999
14.0	2.7230	1.5451	1.16	.4521	2.2119	1.7100	.7881	2.1748	2.3947	24.7445	46.0727	70.1849	.0004	21.9903
14.0	2.7230	1.5451	1.16	.4521	2.2119	1.7600	.7620	2.2755	2.4796	23.4112	45.2311	64.7575	.0004	21.2804
14.0	2.7230	1.5451	1.16	.4521	2.2119	1.8100	.7316	2.3802	2.5673	22.0098	44.4686	59.3302	.0004	20.5701
14.0	2.7230	1.5451	1.16	.4521	2.2119	1.8600	.6964	2.4893	2.6581	20.5271	43.8149	53.9028	.0005	19.8594
14.0	2.7230	1.5451	1.16	.4521	2.2119	1.9100	.6556	2.6033	2.7524	18.9452	43.3172	48.4755	.0005	19.1480
14.0	2.7230	1.5451	1.16	.4521	2.2119	1.9600	.6081	2.7225	2.8506	17.2378	43.0554	43.0482	.0005	18.4357
14.0	2.7230	1.5451	1.16	.4521	2.2119	2.0100	.5523	2.8476	2.9532	15.3648	43.1744	37.6208	.0005	17.7222
14.0	2.7230	1.5451	1.16	.4521	2.2119	2.0600	.4854	2.9792	3.0608	13.2593	43.9654	32.1935	.0005	17.0069
14.0	2.7230	1.5451	1.16	.4521	2.2119	2.1100	.4022	3.1181	3.1742	10.7923	46.1165	26.7661	.0005	16.2885
14.0	2.7230	1.5451	1.16	.4521	2.2119	2.1600	.2897	3.2653	3.2946	7.6380	51.8077	21.3388	.0005	15.5648
14.0	2.7230	1.5451	1.16	.4521	2.2119	2.2100	.0551	3.4226	3.4237	1.4283	80.1754	15.9114	.0005	14.8305

14.0	2.7230	1.5451	1.24	.5027	1.9894	.5100	.1040	.4842	.4942	11.5214	86.9252	196.6232	.0001	45.0913
14.0	2.7230	1.5451	1.24	.5027	1.9894	.5600	.2855	.5362	.6018	27.0105	81.3899	190.8216	.0001	44.3342
14.0	2.7230	1.5451	1.24	.5027	1.9894	.6100	.3836	.5891	.6960	32.1662	78.1933	185.0200	.0001	43.5771
14.0	2.7230	1.5451	1.24	.5027	1.9894	.6600	.4559	.6430	.7815	34.6365	75.6741	179.2183	.0001	42.8199
14.0	2.7230	1.5451	1.24	.5027	1.9894	.7100	.5134	.6979	.8613	35.8697	73.5192	173.4167	.0001	42.0627
14.0	2.7230	1.5451	1.24	.5027	1.9894	.7600	.5606	.7539	.9368	36.4132	71.6009	167.6150	.0001	41.3054
14.0	2.7230	1.5451	1.24	.5027	1.9894	.8100	.6000	.8110	1.0092	36.5277	69.8523	161.8134	.0001	40.5482
14.0	2.7230	1.5451	1.24	.5027	1.9894	.8600	.6330	.8692	1.0793	36.3546	68.2335	156.0118	.0001	39.7908
14.0	2.7230	1.5451	1.24	.5027	1.9894	.9100	.6606	.9286	1.1475	35.9775	66.7186	150.2101	.0001	39.0335
14.0	2.7230	1.5451	1.24	.5027	1.9894	.9600	.6835	.9893	1.2144	35.4489	65.2900	144.4085	.0001	38.2761
14.0	2.7230	1.5451	1.24	.5027	1.9894	1.0100	.7020	1.0513	1.2803	34.8030	63.9352	138.6068	.0001	37.5186
14.0	2.7230	1.5451	1.24	.5027	1.9894	1.0600	.7167	1.1146	1.3455	34.0629	62.6454	132.8052	.0001	36.7611
14.0	2.7230	1.5451	1.24	.5027	1.9894	1.1100	.7276	1.1794	1.4102	33.2441	61.4144	127.0035	.0001	36.0034
14.0	2.7230	1.5451	1.24	.5027	1.9894	1.1600	.7350	1.2457	1.4747	32.3575	60.2382	121.2019	.0002	35.2458
14.0	2.7230	1.5451	1.24	.5027	1.9894	1.2100	.7389	1.3136	1.5391	31.4101	59.1144	115.4003	.0002	34.4880
14.0	2.7230	1.5451	1.24	.5027	1.9894	1.2600	.7394	1.3832	1.6037	30.4064	58.0425	109.5986	.0002	33.7301
14.0	2.7230	1.5451	1.24	.5027	1.9894	1.3100	.7366	1.4545	1.6686	29.3487	57.0235	103.7970	.0002	32.9720
14.0	2.7230	1.5451	1.24	.5027	1.9894	1.3600	.7304	1.5277	1.7340	28.2374	56.0605	97.9953	.0002	32.2139
14.0	2.7230	1.5451	1.24	.5027	1.9894	1.4100	.7206	1.6028	1.8000	27.0712	55.1591	92.1937	.0002	31.4555
14.0	2.7230	1.5451	1.24	.5027	1.9894	1.4600	.7073	1.6800	1.8668	25.8472	54.3277	86.3920	.0002	30.6969
14.0	2.7230	1.5451	1.24	.5027	1.9894	1.5100	.6901	1.7594	1.9345	24.5606	53.5792	80.5904	.0002	29.9381
14.0	2.7230	1.5451	1.24	.5027	1.9894	1.5600	.6687	1.8412	2.0032	23.2040	52.9325	74.7888	.0002	29.1789
14.0	2.7230	1.5451	1.24	.5027	1.9894	1.6100	.6429	1.9254	2.0733	21.7673	52.4158	68.9871	.0002	28.4193
14.0	2.7230	1.5451	1.24	.5027	1.9894	1.6600	.6119	2.0123	2.1447	20.2360	52.0720	63.1855	.0002	27.6592
14.0	2.7230	1.5451	1.24	.5027	1.9894	1.7100	.5751	2.1020	2.2177	18.5890	51.9687	57.3838	.0002	26.8984
14.0	2.7230	1.5451	1.24	.5027	1.9894	1.7600	.5312	2.1948	2.2926	16.7951	52.2182	51.5822	.0002	26.1368
14.0	2.7230	1.5451	1.24	.5027	1.9894	1.8100	.4784	2.2908	2.3695	14.8038	53.0212	45.7805	.0002	25.3738
14.0	2.7230	1.5451	1.24	.5027	1.9894	1.8600	.4132	2.3904	2.4487	12.5255	54.7774	39.9789	.0002	24.6091
14.0	2.7230	1.5451	1.24	.5027	1.9894	1.9100	.3288	2.4939	2.5306	9.7681	58.4380	34.1773	.0002	23.8417
14.0	2.7230	1.5451	1.24	.5027	1.9894	1.9600	.2030	2.6016	2.6155	5.9132	67.2996	28.3756	.0002	23.0699

14.0	2.7230	1.5451	1.32	.5621	1.7789	.5700	.0972	.5435	.5514	9.6771	86.9092	185.3943	.0001	50.6590
14.0	2.7230	1.5451	1.32	.5621	1.7789	.6200	.2581	.5959	.6455	22.6045	81.6091	179.2183	.0001	49.8528
14.0	2.7230	1.5451	1.32	.5621	1.7789	.6700	.3447	.6493	.7302	27.2260	78.5375	173.0424	.0001	49.0465
14.0	2.7230	1.5451	1.32	.5621	1.7789	.7200	.4075	.7035	.8084	29.5069	76.1285	166.8664	.0001	48.2402
14.0	2.7230	1.5451	1.32	.5621	1.7789	.7700	.4563	.7588	.8820	30.6529	74.0816	160.6905	.0001	47.4339
14.0	2.7230	1.5451	1.32	.5621	1.7789	.8200	.4954	.8150	.9522	31.1403	72.2743	154.5146	.0001	46.6274
14.0	2.7230	1.5451	1.32	.5621	1.7789	.8700	.5270	.8723	1.0198	31.2036	70.6434	148.3386	.0001	45.8210
14.0	2.7230	1.5451	1.32	.5621	1.7789	.9200	.5522	.9306	1.0854	30.9733	69.1518	142.1627	.0001	45.0144
14.0	2.7230	1.5451	1.32	.5621	1.7789	.9700	.5720	.9901	1.1494	30.5277	67.7767	135.9867	.0001	44.2077
14.0	2.7230	1.5451	1.32	.5621	1.7789	1.0200	.5869	1.0508	1.2123	29.9161	66.5036	129.8108	.0001	43.4010
14.0	2.7230	1.5451	1.32	.5621	1.7789	1.0700	.5973	1.1127	1.2743	29.1707	65.3241	123.6348	.0001	42.5941
14.0	2.7230	1.5451	1.32	.5621	1.7789	1.1200	.6034	1.1759	1.3356	28.3124	64.2341	117.4589	.0001	41.7871
14.0	2.7230	1.5451	1.32	.5621	1.7789	1.1700	.6053	1.2404	1.3966	27.3548	63.2334	111.2830	.0001	40.9799
14.0	2.7230	1.5451	1.32	.5621	1.7789	1.2200	.6031	1.3063	1.4573	26.3057	62.3260	105.1070	.0001	40.1725
14.0	2.7230	1.5451	1.32	.5621	1.7789	1.2700	.5968	1.3738	1.5179	25.1688	61.5199	98.9311	.0001	39.3649
14.0	2.7230	1.5451	1.32	.5621	1.7789	1.3200	.5861	1.4427	1.5786	23.9437	60.8288	92.7551	.0001	38.5570
14.0	2.7230	1.5451	1.32	.5621	1.7789	1.3700	.5710	1.5133	1.6395	22.6260	60.2741	86.5792	.0001	37.7488
14.0	2.7230	1.5451	1.32	.5621	1.7789	1.4200	.5510	1.5856	1.7008	21.2072	59.8876	80.4033	.0001	36.9402
14.0	2.7230	1.5451	1.32	.5621	1.7789	1.4700	.5255	1.6597	1.7626	19.6726	59.7185	74.2273	.0001	36.1311
14.0	2.7230	1.5451	1.32	.5621	1.7789	1.5200	.4939	1.7357	1.8251	17.9995	59.8435	68.0514	.0001	35.3213
14.0	2.7230	1.5451	1.32	.5621	1.7789	1.5700	.4547	1.8138	1.8883	16.1511	60.3895	61.8754	.0001	34.5107
14.0	2.7230	1.5451	1.32	.5621	1.7789	1.6200	.4059	1.8939	1.9525	14.0646	61.5814	55.6995	.0001	33.6990
14.0	2.7230	1.5451	1.32	.5621	1.7789	1.6700	.3434	1.9764	2.0178	11.6198	63.8694	49.5235	.0001	32.8857
14.0	2.7230	1.5451	1.32	.5621	1.7789	1.7200	.2578	2.0613	2.0843	8.5237	68.3681	43.3476	.0001	32.0703
14.0	2.7230	1.5451	1.32	.5621	1.7789	1.7700	.1022	2.1488	2.1524	3.3058	80.3303	37.1717	.0001	31.2516
14.0	2.7230	1.5451	1.40	.6367	1.5706	.6400	.0552	.6135	.6158	4.9266	88.0981	171.9569	.0001	56.3770
14.0	2.7230	1.5451	1.40	.6367	1.5706	.6900	.2159	.6666	.6984	17.3739	82.3689	165.4067	.0001	55.5216
14.0	2.7230	1.5451	1.40	.6367	1.5706	.7400	.2919	.7204	.7744	21.5245	79.4118	158.8564	.0001	54.6661
14.0	2.7230	1.5451	1.40	.6367	1.5706	.7900	.3446	.7752	.8457	23.5687	77.1544	152.3062	.0001	53.8105
14.0	2.7230	1.5451	1.40	.6367	1.5706	.8400	.3839	.8309	.9135	24.5609	75.2810	145.7559	.0001	52.9549
14.0	2.7230	1.5451	1.40	.6367	1.5706	.8900	.4135	.8875	.9787	24.9202	73.6698	139.2057	.0001	52.0991
14.0	2.7230	1.5451	1.40	.6367	1.5706	.9400	.4355	.9452	1.0417	24.8560	72.2617	132.6555	.0001	51.2431
14.0	2.7230	1.5451	1.40	.6367	1.5706	.9900	.4509	1.0039	1.1031	24.4853	71.0258	126.1052	.0001	50.3870
14.0	2.7230	1.5451	1.40	.6367	1.5706	1.0400	.4604	1.0637	1.1632	23.8781	69.9476	119.5550	.0001	49.5307
14.0	2.7230	1.5451	1.40	.6367	1.5706	1.0900	.4644	1.1246	1.2224	23.0766	69.0240	113.0047	.0001	48.6742
14.0	2.7230	1.5451	1.40	.6367	1.5706	1.1400	.4630	1.1867	1.2808	22.1059	68.2617	106.4545	.0001	47.8174
14.0	2.7230	1.5451	1.40	.6367	1.5706	1.1900	.4563	1.2500	1.3387	20.9783	67.6781	99.9043	.0001	46.9603
14.0	2.7230	1.5451	1.40	.6367	1.5706	1.2400	.4439	1.3145	1.3962	19.6955	67.3039	93.3540	.0001	46.1028
14.0	2.7230	1.5451	1.40	.6367	1.5706	1.2900	.4253	1.3805	1.4536	18.2486	67.1892	86.8038	.0001	45.2449
14.0	2.7230	1.5451	1.40	.6367	1.5706	1.3400	.3999	1.4478	1.5108	16.6151	67.4154	80.2535	.0001	44.3863
14.0	2.7230	1.5451	1.40	.6367	1.5706	1.3900	.3660	1.5165	1.5682	14.7512	68.1195	73.7033	.0001	43.5271
14.0	2.7230	1.5451	1.40	.6367	1.5706	1.4400	.3211	1.5868	1.6258	12.5720	69.5522	67.1531	.0001	42.6668
14.0	2.7230	1.5451	1.40	.6367	1.5706	1.4900	.2598	1.6588	1.6838	9.8895	72.2462	60.6028	.0001	41.8053
14.0	2.7230	1.5451	1.40	.6367	1.5706	1.5400	.1645	1.7324	1.7423	6.0954	77.8106	54.0526	.0001	40.9421
14.0	2.7230	1.5451	1.48	.7441	1.3438	.7500	.0588	.7267	.7289	4.4810	87.7384	151.9319	.0001	61.6726
14.0	2.7230	1.5451	1.48	.7441	1.3438	.8000	.1736	.7809	.7991	12.2445	83.1170	145.0073	.0001	60.7677
14.0	2.7230	1.5451	1.48	.7441	1.3438	.8500	.2277	.8360	.8654	14.9968	80.6851	138.0828	.0001	59.8626
14.0	2.7230	1.5451	1.48	.7441	1.3438	.9000	.2619	.8919	.9289	16.2238	78.9279	131.1583	.0001	58.9573
14.0	2.7230	1.5451	1.48	.7441	1.3438	.9500	.2834	.9488	.9901	16.6129	77.5916	124.2337	.0001	58.0518
14.0	2.7230	1.5451	1.48	.7441	1.3438	1.0000	.2952	1.0066	1.0495	16.4452	76.5922	117.3092	.0001	57.1460
14.0	2.7230	1.5451	1.48	.7441	1.3438	1.0500	.2983	1.0654	1.1076	15.8571	75.9099	110.3846	.0001	56.2399
14.0	2.7230	1.5451	1.48	.7441	1.3438	1.1000	.2930	1.1252	1.1645	14.9132	75.5668	103.4601	.0001	55.3334
14.0	2.7230	1.5451	1.48	.7441	1.3438	1.1500	.2788	1.1862	1.2205	13.6293	75.6286	96.5356	.0001	54.4264
14.0	2.7230	1.5451	1.48	.7441	1.3438	1.2000	.2544	1.2482	1.2759	11.9716	76.2299	89.6110	.0001	53.5188
14.0	2.7230	1.5451	1.48	.7441	1.3438	1.2500	.2164	1.3114	1.3309	9.8207	77.6500	82.6865	.0001	52.6106
14.0	2.7230	1.5451	1.48	.7441	1.3438	1.3000	.1549	1.3758	1.3855	6.7963	80.6236	75.7619	.0001	51.7013

APPENDIX I

PROPERTIES OF AN OBLIQUE DETONATION WAVE

GAMMA = 1.2

M1	M1*	DELMAX	DEL	XMIN	XMAX	X(M2U*)	Y(M2V*)	M2U	M2	THETA	SIGMA	PR21	PTR21	TR21
1.5	1.4214	1.0625	1.00	.7035	1.4214	.7100	.0505	.6931	.6949	4.0668	85.9413	2.3513	.9234	1.1686
1.5	1.4214	1.0625	1.00	.7035	1.4214	.7600	.1414	.7452	.7579	10.5392	77.9331	2.2564	.9336	1.1584
1.5	1.4214	1.0625	1.00	.7035	1.4214	.8100	.1832	.7977	.8179	12.7454	73.3186	2.1614	.9433	1.1482
1.5	1.4214	1.0625	1.00	.7035	1.4214	.8600	.2084	.8508	.8754	13.6207	69.6361	2.0664	.9524	1.1378
1.5	1.4214	1.0625	1.00	.7035	1.4214	.9100	.2230	.9045	.9313	13.7705	66.4386	1.9714	.9609	1.1272
1.5	1.4214	1.0625	1.00	.7035	1.4214	.9600	.2296	.9588	.9858	13.4511	63.5440	1.8765	.9687	1.1165
1.5	1.4214	1.0625	1.00	.7035	1.4214	1.0100	.2294	1.0137	1.0395	12.7965	60.8561	1.7815	.9758	1.1055
1.5	1.4214	1.0625	1.00	.7035	1.4214	1.0600	.2231	1.0693	1.0927	11.8841	58.3162	1.6865	.9820	1.0943
1.5	1.4214	1.0625	1.00	.7035	1.4214	1.1100	.2110	1.1257	1.1458	10.7610	55.8849	1.5915	.9873	1.0828
1.5	1.4214	1.0625	1.00	.7035	1.4214	1.1600	.1932	1.1829	1.1992	9.4558	53.5335	1.4966	.9917	1.0710
1.5	1.4214	1.0625	1.00	.7035	1.4214	1.2100	.1697	1.2410	1.2531	7.9852	51.2401	1.4016	.9951	1.0587
1.5	1.4214	1.0625	1.00	.7035	1.4214	1.2600	.1404	1.3001	1.3081	6.3572	48.9867	1.3066	.9976	1.0460
1.5	1.4214	1.0625	1.00	.7035	1.4214	1.3100	.1048	1.3604	1.3647	4.5729	46.7580	1.2116	.9991	1.0327
1.5	1.4214	1.0625	1.00	.7035	1.4214	1.3600	.0624	1.4220	1.4235	2.6272	44.5398	1.1167	.9998	1.0186
1.5	1.4214	1.0625	1.00	.7035	1.4214	1.4100	.0125	1.4853	1.4854	.5092	42.3190	1.0217	1.0000	1.0036
1.5	1.4214	1.0625	1.04	.8126	1.2306	.8200	.0388	.8069	.8079	2.7114	86.1283	2.0801	.8995	1.2438
1.5	1.4214	1.0625	1.04	.8126	1.2306	.8700	.0990	.8600	.8656	6.4912	79.2986	1.9813	.9045	1.2326
1.5	1.4214	1.0625	1.04	.8126	1.2306	.9200	.1221	.9137	.9217	7.5617	75.5462	1.8825	.9086	1.2212
1.5	1.4214	1.0625	1.04	.8126	1.2306	.9700	.1309	.9680	.9768	7.6881	72.8304	1.7838	.9119	1.2096
1.5	1.4214	1.0625	1.04	.8126	1.2306	1.0200	.1298	1.0229	1.0312	7.2516	70.8526	1.6850	.9143	1.1976
1.5	1.4214	1.0625	1.04	.8126	1.2306	1.0700	.1202	1.0786	1.0854	6.4094	69.6351	1.5862	.9157	1.1853
1.5	1.4214	1.0625	1.04	.8126	1.2306	1.1200	.1025	1.1351	1.1399	5.2270	69.4838	1.4874	.9161	1.1726
1.5	1.4214	1.0625	1.04	.8126	1.2306	1.1700	.0754	1.1925	1.1950	3.6883	71.3768	1.3887	.9154	1.1594
1.5	1.4214	1.0625	1.04	.8126	1.2306	1.2200	.0301	1.2510	1.2514	1.4132	80.1760	1.2899	.9137	1.1456

LOOP BRANCH (M1 FROM 1 TO 5)

GAMMA = 1.2

M1	M1*	DELMAX	DEL	XMIN	XMAX	X(M2U*)	Y(M2V*1	M2U	M2	THETA	SIGMA	PR21	PTR21	TR21
2.0	1.7728	1.1684	1.00	.5641	1.7728	.5700	.0731	.5518	.5563	7.3039	86.5242	4.2567	.6788	1.3580
2.0	1.7728	1.1684	1.00	.5641	1.7728	.6200	.2186	.6031	.6395	19.4192	79.2643	4.1213	.6962	1.3450
2.0	1.7728	1.1684	1.00	.5641	1.7728	.6700	.2925	.6549	.7146	23.5845	75.1454	3.9859	.7138	1.3320
2.0	1.7728	1.1684	1.00	.5641	1.7728	.7200	.3446	.7073	.7841	25.5738	71.8779	3.8506	.7315	1.3189
2.0	1.7728	1.1684	1.00	.5641	1.7728	.7700	.3838	.7602	.8494	26.4945	69.0562	3.7152	.7494	1.3058
2.0	1.7728	1.1684	1.00	.5641	1.7728	.8200	.4140	.8137	.9115	26.7870	66.5160	3.5798	.7675	1.2926
2.0	1.7728	1.1684	1.00	.5641	1.7728	.8700	.4370	.8677	.9711	26.6702	64.1712	3.4444	.7855	1.2794
2.0	1.7728	1.1684	1.00	.5641	1.7728	.9200	.4540	.9224	1.0286	26.2668	61.9695	3.3090	.8036	1.2660
2.0	1.7728	1.1684	1.00	.5641	1.7728	.9700	.4658	.9777	1.0846	25.6512	59.8765	3.1737	.8215	1.2526
2.0	1.7728	1.1684	1.00	.5641	1.7728	1.0200	.4728	1.0337	1.1394	24.8705	57.8676	3.0383	.8393	1.2391
2.0	1.7728	1.1684	1.00	.5641	1.7728	1.0700	.4754	1.0904	1.1932	23.9555	55.9246	2.9029	.8569	1.2255
2.0	1.7728	1.1684	1.00	.5641	1.7728	1.1200	.4737	1.1478	1.2463	22.9266	54.0331	2.7675	.8740	1.2118
2.0	1.7728	1.1684	1.00	.5641	1.7728	1.1700	.4679	1.2060	1.2988	21.7971	52.1816	2.6321	.8908	1.1979
2.0	1.7728	1.1684	1.00	.5641	1.7728	1.2200	.4580	1.2650	1.3511	20.5754	50.3603	2.4968	.9069	1.1839
2.0	1.7728	1.1684	1.00	.5641	1.7728	1.2700	.4439	1.3248	1.4034	19.2660	48.5607	2.3614	.9222	1.1696
2.0	1.7728	1.1684	1.00	.5641	1.7728	1.3200	.4256	1.3855	1.4558	17.8701	46.7751	2.2260	.9367	1.1552
2.0	1.7728	1.1684	1.00	.5641	1.7728	1.3700	.4029	1.4473	1.5085	16.3865	44.9964	2.0906	.9501	1.1405
2.0	1.7728	1.1684	1.00	.5641	1.7728	1.4200	.3755	1.5101	1.5620	14.8110	43.2177	1.9553	.9623	1.1254
2.0	1.7728	1.1684	1.00	.5641	1.7728	1.4700	.3431	1.5741	1.6164	13.1371	41.4321	1.8199	.9730	1.1100
2.0	1.7728	1.1684	1.00	.5641	1.7728	1.5200	.3052	1.6394	1.6721	11.3550	39.6324	1.6845	.9821	1.0941
2.0	1.7728	1.1684	1.00	.5641	1.7728	1.5700	.2614	1.7062	1.7297	9.4514	37.8110	1.5491	.9894	1.0776
2.0	1.7728	1.1684	1.00	.5641	1.7728	1.6200	.2106	1.7748	1.7898	7.4083	35.9593	1.4137	.9947	1.0603
2.0	1.7728	1.1684	1.00	.5641	1.7728	1.6700	.1520	1.8456	1.8532	5.2018	34.0677	1.2784	.9981	1.0421
2.0	1.7728	1.1684	1.00	.5641	1.7728	1.7200	.0841	1.9189	1.9212	2.7995	32.1244	1.1430	.9997	1.0226
2.0	1.7728	1.1684	1.00	.5641	1.7728	1.7700	.0048	1.9956	1.9956	.1568	30.1153	1.0076	1.0000	1.0013
2.0	1.7728	1.1684	1.04	.6114	1.6356	.6200	.0803	.6019	.6070	7.3766	85.8950	4.0542	.6690	1.4604
2.0	1.7728	1.1684	1.04	.6114	1.6356	.6700	.2029	.6535	.6829	16.8497	79.2459	3.9134	.6832	1.4468
2.0	1.7728	1.1684	1.04	.6114	1.6356	.7200	.2671	.7057	.7527	20.3564	75.3014	3.7726	.6974	1.4331
2.0	1.7728	1.1684	1.04	.6114	1.6356	.7700	.3115	.7583	.8181	22.0286	72.1661	3.6318	.7115	1.4193
2.0	1.7728	1.1684	1.04	.6114	1.6356	.8200	.3440	.8116	.8801	22.7577	69.4664	3.4910	.7254	1.4054
2.0	1.7728	1.1684	1.04	.6114	1.6356	.8700	.3677	.8653	.9395	22.9128	67.0490	3.3502	.7391	1.3914
2.0	1.7728	1.1684	1.04	.6114	1.6356	.9200	.3845	.9197	.9968	22.6821	64.8341	3.2094	.7525	1.3774
2.0	1.7728	1.1684	1.04	.6114	1.6356	.9700	.3953	.9747	1.0526	22.1733	62.7749	3.0686	.7656	1.3632
2.0	1.7728	1.1684	1.04	.6114	1.6356	1.0200	.4008	1.0304	1.1071	21.4520	60.8419	2.9278	.7781	1.3489
2.0	1.7728	1.1684	1.04	.6114	1.6356	1.0700	.4013	1.0868	1.1607	20.5600	59.0171	2.7870	.7901	1.3345
2.0	1.7728	1.1684	1.04	.6114	1.6356	1.1200	.3971	1.1438	1.2136	19.5243	57.2900	2.6462	.8015	1.3198
2.0	1.7728	1.1684	1.04	.6114	1.6356	1.1700	.3883	1.2016	1.2661	18.3620	55.6574	2.5054	.8120	1.3050
2.0	1.7728	1.1684	1.04	.6114	1.6356	1.2200	.3749	1.2603	1.3184	17.0832	54.1230	2.3646	.8215	1.2900
2.0	1.7728	1.1684	1.04	.6114	1.6356	1.2700	.3568	1.3198	1.3709	15.6929	52.7002	2.2238	.8300	1.2747
2.0	1.7728	1.1684	1.04	.6114	1.6356	1.3200	.3338	1.3802	1.4237	14.1912	51.4163	2.0831	.8372	1.2590
2.0	1.7728	1.1684	1.04	.6114	1.6356	1.3700	.3056	1.4417	1.4772	12.5743	50.3231	1.9423	.8430	1.2430
2.0	1.7728	1.1684	1.04	.6114	1.6356	1.4200	.2717	1.5044	1.5317	10.8334	49.5196	1.8015	.8473	1.2265
2.0	1.7728	1.1684	1.04	.6114	1.6356	1.4700	.2316	1.5683	1.5877	8.9532	49.2084	1.6607	.8497	1.2094
2.0	1.7728	1.1684	1.04	.6114	1.6356	1.5200	.1841	1.6338	1.6457	6.9071	49.8638	1.5199	.8503	1.1915
2.0	1.7728	1.1684	1.04	.6114	1.6356	1.5700	.1274	1.7010	1.7066	4.6378	52.8971	1.3791	.8490	1.1727
2.0	1.7728	1.1684	1.04	.6114	1.6356	1.6200	.0531	1.7704	1.7714	1.8787	65.8265	1.2383	.8457	1.1526
2.0	1.7728	1.1684	1.08	.6690	1.4948	.6700	.0246	.6523	.6527	2.0998	88.6415	3.8408	.6552	1.5662
2.0	1.7728	1.1684	1.08	.6690	1.4948	.7200	.1677	.7042	.7231	13.1138	80.3445	3.6946	.6662	1.5518
2.0	1.7728	1.1684	1.08	.6690	1.4948	.7700	.2264	.7567	.7887	16.3863	76.3996	3.5484	.6769	1.5373
2.0	1.7728	1.1684	1.08	.6690	1.4948	.8200	.2647	.8096	.8508	17.8918	73.3627	3.4022	.6872	1.5227
2.0	1.7728	1.1684	1.08	.6690	1.4948	.8700	.2910	.8632	.9102	18.4916	70.8080	3.2560	.6971	1.5080
2.0	1.7728	1.1684	1.08	.6690	1.4948	.9200	.3084	.9173	.9675	18.5315	68.5745	3.1098	.7065	1.4932
2.0	1.7728	1.1684	1.08	.6690	1.4948	.9700	.3187	.9721	1.0232	18.1867	66.5854	2.9636	.7153	1.4782
2.0	1.7728	1.1684	1.08	.6690	1.4948	1.0200	.3227	1.0275	1.0777	17.5567	64.8028	2.8173	.7234	1.4631
2.0	1.7728	1.1684	1.08	.6690	1.4948	1.0700	.3210	1.0835	1.1312	16.7012	63.2122	2.6711	.7307	1.4477
2.0	1.7728	1.1684	1.08	.6690	1.4948	1.1200	.3139	1.1403	1.1842	15.6572	61.8179	2.5249	.7370	1.4321
2.0	1.7728	1.1684	1.08	.6690	1.4948	1.1700	.3014	1.1979	1.2370	14.4460	60.6448	2.3787	.7423	1.4163
2.0	1.7728	1.1684	1.08	.6690	1.4948	1.2200	.2834	1.2562	1.2897	13.0781	59.7456	2.2325	.7464	1.4001
2.0	1.7728	1.1684	1.08	.6690	1.4948	1.2700	.2596	1.3155	1.3427	11.5541	59.2201	2.0863	.7491	1.3835
2.0	1.7728	1.1684	1.08	.6690	1.4948	1.3200	.2295	1.3758	1.3965	9.8633	59.2582	1.9401	.7504	1.3665
2.0	1.7728	1.1684	1.08	.6690	1.4948	1.3700	.1920	1.4372	1.4513	7.9762	60.2520	1.7939	.7500	1.3489
2.0	1.7728	1.1684	1.08	.6690	1.4948	1.4200	.1447	1.4999	1.5077	5.8168	63.1606	1.6477	.7479	1.3305
2.0	1.7728	1.1684	1.08	.6690	1.4948	1.4700	.0791	1.5641	1.5664	3.0796	71.4647	1.5015	.7439	1.3112
2.0	1.7728	1.1684	1.12	.7460	1.3405	.7500	.0408	.7342	.7353	3.1111	87.4771	3.5256	.6422	1.6661
2.0	1.7728	1.1684	1.12	.7460	1.3405	.8000	.1415	.7867	.7989	10.0274	80.8183	3.3740	.6496	1.6508
2.0	1.7728	1.1684	1.12	.7460	1.3405	.8500	.1850	.8398	.8595	12.2793	77.3626	3.2224	.6563	1.6353
2.0	1.7728	1.1684	1.12	.7460	1.3405	.9000	.2108	.8935	.9177	13.1832	74.7855	3.0708	.6625	1.6197
2.0	1.7728	1.1684	1.12	.7460	1.3405	.9500	.2254	.9478	.9741	13.3471	72.7335	2.9192	.6679	1.6040
2.0	1.7728	1.1684	1.12	.7460	1.3405	1.0000	.2313	1.0027	1.0292	13.0225	71.0904	2.7675	.6724	1.5880
2.0	1.7728	1.1684	1.12	.7460	1.3405	1.0500	.2296	1.0582	1.0833	12.3363	69.8304	2.6159	.6760	1.5717
2.0	1.7728	1.1684	1.12	.7460	1.3405	1.1000	.2209	1.1145	1.1368	11.3554	68.9889	2.4643	.6786	1.5552
2.0	1.7728	1.1684	1.12	.7460	1.3405	1.1500	.2050	1.1716	1.1900	10.1094	68.6721	2.3127	.6799	1.5383
2.0	1.7728	1.1684	1.12	.7460	1.3405	1.2000	.1814	1.2294	1.2434	8.5950	69.1070	2.1610	.6800	1.5210
2.0	1.7728	1.1684	1.12	.7460	1.3405	1.2500	.1481	1.2882	1.2972	6.7565	70.7954	2.0094	.6785	1.5032
2.0	1.7728	1.1684	1.12	.7460	1.3405	1.3000	.0994	1.3480	1.3520	4.3736	75.1561	1.8578	.6755	1.4848
2.0	1.7728	1.1684	1.16	.8864	1.1282	.8900	.0235	.8809	.8812	1.5155	88.2162	3.0047	.6250	1.7481
2.0	1.7728	1.1684	1.16	.8864	1.1282	.9400	.0796	.9349	.9382	4.8419	83.5652	2.8477	.6274	1.7314
2.0	1.7728	1.1684	1.16	.8864	1.1282	.9900	.0933	.9894	.9938	5.3819	81.9083	2.6906	.6288	1.7145
2.0	1.7728	1.1684	1.16	.8864	1.1282	1.0400	.0889	1.0447	1.0485	4.8884	81.6500	2.5336	.6292	1.6973
2.0	1.7728	1.1684	1.16	.8864	1.1282	1.0900	.0658	1.1006	1.1026	3.4561	83.2480	2.3766	.6283	1.6796

LOOP 8RANCH (M1 FROM 1 TO 5)

GAMMA = 1.2

M1	M1*	DELMAX	DEL	XMIN	XMAX	X(M2U*)	Y(M2V*)	M2U	M2	THETA	SIGMA	PR21	PTR21	TR21
2.5	2.0569	1.2715	1.00	.4862	2.0569	.4900	.0710	.4725	.4774	8.2405	87.4069	6.7133	.4174	1.5888
2.5	2.0569	1.2715	1.00	.4862	2.0569	.5400	.2611	.5235	.5815	25.8089	80.2316	6.5310	.4330	1.5718
2.5	2.0569	1.2715	1.00	.4862	2.0569	.5900	.3557	.5751	.6715	31.0829	76.3707	6.3487	.4493	1.5549
2.5	2.0569	1.2715	1.00	.4862	2.0569	.6400	.4242	.6273	.7525	33.5377	73.3324	6.1664	.4661	1.5379
2.5	2.0569	1.2715	1.00	.4862	2.0569	.6900	.4781	.6800	.8273	34.7179	70.7216	5.9841	.4835	1.5209
2.5	2.0569	1.2715	1.00	.4862	2.0569	.7400	.5219	.7334	.8975	35.1942	68.3809	5.8017	.5015	1.5039
2.5	2.0569	1.2715	1.00	.4862	2.0569	.7900	.5580	.7875	.9641	35.2354	66.2284	5.6194	.5202	1.4868
2.5	2.0569	1.2715	1.00	.4862	2.0569	.8400	.5879	.8422	1.0279	34.9864	64.2149	5.4371	.5395	1.4697
2.5	2.0569	1.2715	1.00	.4862	2.0569	.8900	.6124	.8975	1.0895	34.5323	62.3080	5.2548	.5594	1.4526
2.5	2.0569	1.2715	1.00	.4862	2.0569	.9400	.6323	.9536	1.1493	33.9264	60.4852	5.0725	.5799	1.4354
2.5	2.0569	1.2715	1.00	.4862	2.0569	.9900	.6479	1.0104	1.2076	33.2034	58.7296	4.8902	.6010	1.4182
2.5	2.0569	1.2715	1.00	.4862	2.0569	1.0400	.6597	1.0680	1.2647	32.3865	57.0283	4.7079	.6228	1.4009
2.5	2.0569	1.2715	1.00	.4862	2.0569	1.0900	.6677	1.1263	1.3208	31.4916	55.3710	4.5255	.6450	1.3836
2.5	2.0569	1.2715	1.00	.4862	2.0569	1.1400	.6723	1.1854	1.3762	30.5297	53.7492	4.3432	.6678	1.3662
2.5	2.0569	1.2715	1.00	.4862	2.0569	1.1900	.6735	1.2454	1.4310	29.5081	52.1560	4.1609	.6911	1.3488
2.5	2.0569	1.2715	1.00	.4862	2.0569	1.2400	.6714	1.3062	1.4854	28.4317	50.5850	3.9786	.7147	1.3313
2.5	2.0569	1.2715	1.00	.4862	2.0569	1.2900	.6659	1.3680	1.5395	27.3034	49.0310	3.7963	.7387	1.3137
2.5	2.0569	1.2715	1.00	.4862	2.0569	1.3400	.6572	1.4307	1.5935	26.1242	47.4887	3.6140	.7629	1.2959
2.5	2.0569	1.2715	1.00	.4862	2.0569	1.3900	.6450	1.4944	1.6474	24.8942	45.9537	3.4317	.7872	1.2781
2.5	2.0569	1.2715	1.00	.4862	2.0569	1.4400	.6295	1.5591	1.7016	23.6117	44.4215	3.2493	.8115	1.2601
2.5	2.0569	1.2715	1.00	.4862	2.0569	1.4900	.6103	1.6250	1.7560	22.2741	42.8875	3.0670	.8356	1.2420
2.5	2.0569	1.2715	1.00	.4862	2.0569	1.5400	.5874	1.6921	1.8110	20.8774	41.3475	2.8847	.8592	1.2237
2.5	2.0569	1.2715	1.00	.4862	2.0569	1.5900	.5604	1.7604	1.8665	19.4163	39.7968	2.7024	.8822	1.2051
2.5	2.0569	1.2715	1.00	.4862	2.0569	1.6400	.5292	1.8301	1.9230	17.8836	38.2304	2.5201	.9041	1.1863
2.5	2.0569	1.2715	1.00	.4862	2.0569	1.6900	.4932	1.9013	1.9806	16.2701	36.6432	2.3378	.9248	1.1671
2.5	2.0569	1.2715	1.00	.4862	2.0569	1.7400	.4521	1.9742	2.0398	14.5640	35.0290	2.1554	.9439	1.1476
2.5	2.0569	1.2715	1.00	.4862	2.0569	1.7900	.4050	2.0490	2.1008	12.7501	33.3811	1.9731	.9608	1.1274
2.5	2.0569	1.2715	1.00	.4862	2.0569	1.8400	.3513	2.1259	2.1643	10.8085	31.6915	1.7908	.9751	1.1066
2.5	2.0569	1.2715	1.00	.4862	2.0569	1.8900	.2896	2.2054	2.2312	8.7125	29.9502	1.6085	.9864	1.0849
2.5	2.0569	1.2715	1.00	.4862	2.0569	1.9400	.2185	2.2881	2.3026	6.4257	28.1452	1.4262	.9943	1.0620
2.5	2.0569	1.2715	1.00	.4862	2.0569	1.9900	.1356	2.3749	2.3804	3.8971	26.2608	1.2439	.9987	1.0373
2.5	2.0569	1.2715	1.00	.4862	2.0569	2.0400	.0374	2.4672	2.4676	1.0513	24.2759	1.0616	1.0000	1.0100
2.5	2.0569	1.2715	1.04	.5192	1.9260	.5200	.0307	.5020	.5029	3.3779	88.8254	6.5281	.4119	1.7142
2.5	2.0569	1.2715	1.04	.5192	1.9260	.5700	.2392	.5532	.5999	22.7626	80.6144	6.3385	.4256	1.6965
2.5	2.0569	1.2715	1.04	.5192	1.9260	.6200	.3296	.6049	.6850	27.9956	76.7243	6.1489	.4397	1.6788
2.5	2.0569	1.2715	1.04	.5192	1.9260	.6700	.3940	.6571	.7623	30.4601	73.6938	5.9593	.4542	1.6611
2.5	2.0569	1.2715	1.04	.5192	1.9260	.7200	.4440	.7100	.8341	31.6582	71.1034	5.7697	.4691	1.6433
2.5	2.0569	1.2715	1.04	.5192	1.9260	.7700	.4839	.7634	.9017	32.1473	68.7901	5.5800	.4844	1.6255
2.5	2.0569	1.2715	1.04	.5192	1.9260	.8200	.5162	.8175	.9660	32.1921	66.6702	5.3904	.5000	1.6076
2.5	2.0569	1.2715	1.04	.5192	1.9260	.8700	.5423	.8722	1.0278	31.9368	64.6941	5.2008	.5160	1.5897
2.5	2.0569	1.2715	1.04	.5192	1.9260	.9200	.5630	.9276	1.0875	31.4665	62.8295	5.0112	.5322	1.5717
2.5	2.0569	1.2715	1.04	.5192	1.9260	.9700	.5790	.9837	1.1456	30.8348	61.0542	4.8216	.5488	1.5537
2.5	2.0569	1.2715	1.04	.5192	1.9260	1.0200	.5907	1.0405	1.2023	30.0765	59.3521	4.6320	.5656	1.5356
2.5	2.0569	1.2715	1.04	.5192	1.9260	1.0700	.5984	1.0980	1.2580	29.2150	57.7113	4.4424	.5825	1.5175
2.5	2.0569	1.2715	1.04	.5192	1.9260	1.1200	.6022	1.1562	1.3128	28.2662	56.1226	4.2528	.5996	1.4992
2.5	2.0569	1.2715	1.04	.5192	1.9260	1.1700	.6023	1.2153	1.3669	27.2407	54.5794	4.0632	.6168	1.4809
2.5	2.0569	1.2715	1.04	.5192	1.9260	1.2200	.5989	1.2752	1.4206	26.1454	53.0765	3.8736	.6338	1.4625
2.5	2.0569	1.2715	1.04	.5192	1.9260	1.2700	.5918	1.3360	1.4739	24.9844	51.6107	3.6840	.6508	1.4439
2.5	2.0569	1.2715	1.04	.5192	1.9260	1.3200	.5811	1.3976	1.5271	23.7596	50.1801	3.4944	.6675	1.4252
2.5	2.0569	1.2715	1.04	.5192	1.9260	1.3700	.5667	1.4603	1.5802	22.4709	48.7848	3.3048	.6837	1.4064
2.5	2.0569	1.2715	1.04	.5192	1.9260	1.4200	.5484	1.5239	1.6336	21.1163	47.4269	3.1152	.6994	1.3874
2.5	2.0569	1.2715	1.04	.5192	1.9260	1.4700	.5261	1.5886	1.6873	19.6923	46.1119	2.9255	.7143	1.3681
2.5	2.0569	1.2715	1.04	.5192	1.9260	1.5200	.4995	1.6545	1.7416	18.1932	44.8500	2.7359	.7282	1.3486
2.5	2.0569	1.2715	1.04	.5192	1.9260	1.5700	.4684	1.7217	1.7966	16.6112	43.6587	2.5463	.7409	1.3287
2.5	2.0569	1.2715	1.04	.5192	1.9260	1.6200	.4321	1.7902	1.8528	14.9360	42.5690	2.3567	.7520	1.3084
2.5	2.0569	1.2715	1.04	.5192	1.9260	1.6700	.3903	1.8603	1.9104	13.1533	41.6370	2.1671	.7612	1.2876
2.5	2.0569	1.2715	1.04	.5192	1.9260	1.7200	.3419	1.9321	1.9699	11.2442	40.9702	1.9775	.7682	1.2662
2.5	2.0569	1.2715	1.04	.5192	1.9260	1.7700	.2861	2.0060	2.0321	9.1818	40.7983	1.7879	.7726	1.2439
2.5	2.0569	1.2715	1.04	.5192	1.9260	1.8200	.2210	2.0824	2.0977	6.9247	41.6999	1.5983	.7740	1.2205
2.5	2.0569	1.2715	1.04	.5192	1.9260	1.8700	.1436	2.1618	2.1682	4.3925	45.6500	1.4087	.7723	1.1956
2.5	2.0569	1.2715	1.04	.5192	1.9260	1.9200	.0376	2.2453	2.2457	1.1231	68.7789	1.2191	.7673	1.1684
2.5	2.0569	1.2715	1.08	.5559	1.7987	.5600	.0645	.5418	.5454	6.5730	87.3968	6.2947	.4076	1.8406
2.5	2.0569	1.2715	1.08	.5559	1.7987	.6100	.2301	.5932	.6340	20.6641	80.4621	6.0978	.4195	1.8222
2.5	2.0569	1.2715	1.08	.5559	1.7987	.6600	.3113	.6451	.7133	25.2527	76.7222	5.9009	.4316	1.8036
2.5	2.0569	1.2715	1.08	.5559	1.7987	.7100	.3690	.6976	.7861	27.4607	73.7902	5.7040	.4439	1.7851
2.5	2.0569	1.2715	1.08	.5559	1.7987	.7600	.4131	.7506	.8543	28.5265	71.2826	5.5071	.4564	1.7665
2.5	2.0569	1.2715	1.08	.5559	1.7987	.8100	.4477	.8043	.9189	28.9314	69.0472	5.3102	.4691	1.7478
2.5	2.0569	1.2715	1.08	.5559	1.7987	.8600	.4750	.8585	.9807	28.9114	67.0052	5.1133	.4818	1.7291
2.5	2.0569	1.2715	1.08	.5559	1.7987	.9100	.4961	.9134	1.0403	28.5973	65.1102	4.9164	.4946	1.7103
2.5	2.0569	1.2715	1.08	.5559	1.7987	.9600	.5119	.9689	1.0981	28.0678	63.3325	4.7195	.5075	1.6914
2.5	2.0569	1.2715	1.08	.5559	1.7987	1.0100	.5229	1.0252	1.1544	27.3726	61.6524	4.5226	.5203	1.6725
2.5	2.0569	1.2715	1.08	.5559	1.7987	1.0600	.5295	1.0821	1.2096	26.5442	60.0564	4.3257	.5330	1.6535
2.5	2.0569	1.2715	1.08	.5559	1.7987	1.1100	.5319	1.1397	1.2638	25.6043	58.5357	4.1288	.5456	1.6343
2.5	2.0569	1.2715	1.08	.5559	1.7987	1.1600	.5303	1.1982	1.3174	24.5671	57.0854	3.9319	.5578	1.6151
2.5	2.0569	1.2715	1.08	.5559	1.7987	1.2100	.5247	1.2574	1.3705	23.4418	55.7039	3.7350	.5698	1.5957
2.5	2.0569	1.2715	1.08	.5559	1.7987	1.2600	.5151	1.3174	1.4233	22.2334	54.3932	3.5381	.5812	1.5761
2.5	2.0569	1.2715	1.08	.5559	1.7987	1.3100	.5014	1.3784	1.4759	20.9440	53.1595	3.3412	.5920	1.5564
2.5	2.0569	1.2715	1.08	.5559	1.7987	1.3600	.4835	1.4403	1.5286	19.5727	52.0148	3.1443	.6020	1.5364
2.5	2.0569	1.2715	1.08	.5559	1.7987	1.4100	.4613	1.5031	1.5815	18.1161	50.9794	2.9474	.6110	1.5162
2.5	2.0569	1.2715	1.08	.5559	1.7987	1.4600	.4344	1.5671	1.6350	16.5678	50.0868	2.7505	.6189	1.4956
2.5	2.0569	1.2715	1.08	.5559	1.7987	1.5100	.4023	1.6323	1.6892	14.9179	49.3929	2.5536	.6254	1.4746
2.5	2.0569	1.2715	1.08	.5559	1.7987	1.5600	.3645	1.6987	1.7445	13.1518	48.9944	2.3567	.6302	1.4532
2.5	2.0569	1.2715	1.08	.5559	1.7987	1.6100	.3202	1.7666	1.8012	11.2476	49.0703	2.1598	.6331	1.4311
2.5	2.0569	1.2715	1.08	.5559	1.7987	1.6600	.2680	1.8362	1.8600	9.1703	49.9886	1.9629	.6338	1.4082
2.5	2.0569	1.2715	1.08	.5559	1.7987	1.7100	.2055	1.9078	1.9216	6.8538	52.6421	1.7660	.6321	1.3843
2.5	2.0569	1.2715	1.08	.5559	1.7987	1.7600	.1265	1.9819	1.9870	4.1095	60.0247	1.5691	.6275	1.3589

2.5	2.0569	1.2715	1.12	.5978	1.6728	.6000	.0440	.5817	.5833	4.1916	88.1255	6.0497	.4016	1.9713
2.5	2.0569	1.2715	1.12	.5978	1.6728	.6500	.2087	.6333	.6652	17.8036	80.8335	5.8455	.4116	1.9520
2.5	2.0569	1.2715	1.12	.5978	1.6728	.7000	.2837	.6854	.7396	22.0627	77.1485	5.6413	.4217	1.9327
2.5	2.0569	1.2715	1.12	.5978	1.6728	.7500	.3357	.7381	.8087	24.1162	74.2890	5.4371	.4318	1.9133
2.5	2.0569	1.2715	1.12	.5978	1.6728	.8000	.3746	.7914	.8738	25.0900	71.8638	5.2329	.4419	1.8938
2.5	2.0569	1.2715	1.12	.5978	1.6728	.8500	.4041	.8452	.9358	25.4261	69.7204	5.0287	.4520	1.8743
2.5	2.0569	1.2715	1.12	.5978	1.6728	.9000	.4263	.8996	.9954	25.3434	67.7818	4.8245	.4619	1.8546
2.5	2.0569	1.2715	1.12	.5978	1.6728	.9500	.4423	.9547	1.0531	24.9648	66.0041	4.6203	.4716	1.8349
2.5	2.0569	1.2715	1.12	.5978	1.6728	1.0000	.4529	1.0104	1.1092	24.3644	64.3612	4.4162	.4811	1.8151
2.5	2.0569	1.2715	1.12	.5978	1.6728	1.0500	.4585	1.0668	1.1641	23.5890	62.8375	4.2120	.4904	1.7951
2.5	2.0569	1.2715	1.12	.5978	1.6728	1.1000	.4594	1.1239	1.2180	22.6689	61.4257	4.0078	.4992	1.7751
2.5	2.0569	1.2715	1.12	.5978	1.6728	1.1500	.4559	1.1818	1.2712	21.6235	60.1250	3.8036	.5075	1.7548
2.5	2.0569	1.2715	1.12	.5978	1.6728	1.2000	.4478	1.2404	1.3239	20.4646	58.9415	3.5994	.5152	1.7344
2.5	2.0569	1.2715	1.12	.5978	1.6728	1.2500	.4353	1.2998	1.3764	19.1983	57.8895	3.3952	.5222	1.7137
2.5	2.0569	1.2715	1.12	.5978	1.6728	1.3000	.4180	1.3601	1.4287	17.8259	56.9942	3.1910	.5283	1.6928
2.5	2.0569	1.2715	1.12	.5978	1.6728	1.3500	.3959	1.4214	1.4812	16.3440	56.2980	2.9868	.5333	1.6716
2.5	2.0569	1.2715	1.12	.5978	1.6728	1.4000	.3684	1.4836	1.5342	14.7442	55.8702	2.7826	.5372	1.6500
2.5	2.0569	1.2715	1.12	.5978	1.6728	1.4500	.3351	1.5470	1.5878	13.0111	55.8300	2.5784	.5396	1.6280
2.5	2.0569	1.2715	1.12	.5978	1.6728	1.5000	.2948	1.6116	1.6424	11.1182	56.3934	2.3742	.5404	1.6054
2.5	2.0569	1.2715	1.12	.5978	1.6728	1.5500	.2460	1.6776	1.6986	9.0170	57.9963	2.1700	.5394	1.5820
2.5	2.0569	1.2715	1.12	.5978	1.6728	1.6000	.1851	1.7451	1.7568	6.5980	61.6903	1.9658	.5362	1.5577
2.5	2.0569	1.2715	1.12	.5978	1.6728	1.6500	.0993	1.8147	1.8179	3.4428	71.3184	1.7617	.5307	1.5321
2.5	2.0569	1.2715	1.16	.6472	1.5451	.6500	.0450	.6321	.6336	3.9589	87.9550	5.7507	.3955	2.1022
2.5	2.0569	1.2715	1.16	.6472	1.5451	.7000	.1896	.6840	.7086	15.1578	81.0914	5.5392	.4036	2.0820
2.5	2.0569	1.2715	1.16	.6472	1.5451	.7500	.2555	.7364	.7780	18.8103	77.5774	5.3277	.4117	2.0618
2.5	2.0569	1.2715	1.16	.6472	1.5451	.8000	.3000	.7894	.8431	20.5543	74.8743	5.1162	.4195	2.0415
2.5	2.0569	1.2715	1.16	.6472	1.5451	.8500	.3319	.8430	.9050	21.3301	72.6097	4.9048	.4272	2.0211
2.5	2.0569	1.2715	1.16	.6472	1.5451	.9000	.3548	.8971	.9643	21.5151	70.6405	4.6933	.4346	2.0006
2.5	2.0569	1.2715	1.16	.6472	1.5451	.9500	.3704	.9519	1.0217	21.3002	68.8975	4.4818	.4416	1.9799
2.5	2.0569	1.2715	1.16	.6472	1.5451	1.0000	.3797	1.0073	1.0775	20.7930	67.3451	4.2703	.4483	1.9592
2.5	2.0569	1.2715	1.16	.6472	1.5451	1.0500	.3834	1.0633	1.1320	20.0585	65.9672	4.0588	.4544	1.9382
2.5	2.0569	1.2715	1.16	.6472	1.5451	1.1000	.3817	1.1201	1.1856	19.1369	64.7621	3.8473	.4600	1.9171
2.5	2.0569	1.2715	1.16	.6472	1.5451	1.1500	.3748	1.1776	1.2386	18.0523	63.7414	3.6358	.4649	1.8958
2.5	2.0569	1.2715	1.16	.6472	1.5451	1.2000	.3627	1.2358	1.2911	16.8175	62.9324	3.4244	.4690	1.8742
2.5	2.0569	1.2715	1.16	.6472	1.5451	1.2500	.3452	1.2949	1.3434	15.4361	62.3839	3.2129	.4722	1.8523
2.5	2.0569	1.2715	1.16	.6472	1.5451	1.3000	.3218	1.3549	1.3958	13.9024	62.1794	3.0014	.4742	1.8301
2.5	2.0569	1.2715	1.16	.6472	1.5451	1.3500	.2919	1.4158	1.4485	12.1988	62.4634	2.7899	.4751	1.8074
2.5	2.0569	1.2715	1.16	.6472	1.5451	1.4000	.2541	1.4777	1.5019	10.2878	63.5041	2.5784	.4745	1.7842
2.5	2.0569	1.2715	1.16	.6472	1.5451	1.4500	.2060	1.5409	1.5564	8.0867	65.8628	2.3669	.4724	1.7602
2.5	2.0569	1.2715	1.16	.6472	1.5451	1.5000	.1406	1.6054	1.6124	5.3550	71.0615	2.1554	.4684	1.7354
2.5	2.0569	1.2715	1.20	.7092	1.4100	.7100	.0208	.6930	.6933	1.6800	88.9783	5.3934	.3882	2.2327
2.5	2.0569	1.2715	1.20	.7092	1.4100	.7600	.1618	.7454	.7621	12.0153	81.7651	5.1746	.3943	2.2116
2.5	2.0569	1.2715	1.20	.7092	1.4100	.8100	.2177	.7983	.8266	15.0436	78.4753	4.9558	.4001	2.1903
2.5	2.0569	1.2715	1.20	.7092	1.4100	.8600	.2533	.8517	.8879	16.4146	76.0204	4.7370	.4056	2.1690
2.5	2.0569	1.2715	1.20	.7092	1.4100	.9100	.2768	.9057	.9467	16.9192	74.0363	4.5182	.4107	2.1475
2.5	2.0569	1.2715	1.20	.7092	1.4100	.9600	.2912	.9603	1.0035	16.8750	72.3937	4.2995	.4153	2.1259
2.5	2.0569	1.2715	1.20	.7092	1.4100	1.0100	.2981	1.0155	1.0588	16.4422	71.0410	4.0807	.4193	2.1041
2.5	2.0569	1.2715	1.20	.7092	1.4100	1.0600	.2981	1.0714	1.1130	15.7092	69.9673	3.8619	.4227	2.0821
2.5	2.0569	1.2715	1.20	.7092	1.4100	1.1100	.2917	1.1280	1.1663	14.7251	69.1927	3.6431	.4253	2.0598
2.5	2.0569	1.2715	1.20	.7092	1.4100	1.1600	.2788	1.1854	1.2191	13.5133	68.7715	3.4244	.4271	2.0372
2.5	2.0569	1.2715	1.20	.7092	1.4100	1.2100	.2589	1.2435	1.2716	12.0753	68.8087	3.2056	.4279	2.0143
2.5	2.0569	1.2715	1.20	.7092	1.4100	1.2600	.2309	1.3024	1.3241	10.3857	69.5008	2.9868	.4276	1.9909
2.5	2.0569	1.2715	1.20	.7092	1.4100	1.3100	.1927	1.3623	1.3770	8.3698	71.2463	2.7680	.4261	1.9670
2.5	2.0569	1.2715	1.20	.7092	1.4100	1.3600	.1382	1.4232	1.4305	5.8007	75.0566	2.5492	.4231	1.9425
2.5	2.0569	1.2715	1.24	.7985	1.2524	.8000	.0231	.7860	.7863	1.6511	88.7385	4.8829	.3801	2.3531
2.5	2.0569	1.2715	1.24	.7985	1.2524	.8500	.1263	.8391	.8483	8.4543	82.7789	4.6568	.3838	2.3309
2.5	2.0569	1.2715	1.24	.7985	1.2524	.9000	.1647	.8928	.9076	10.3725	80.1334	4.4307	.3869	2.3084
2.5	2.0569	1.2715	1.24	.7985	1.2524	.9500	.1849	.9470	.9648	11.0119	78.3565	4.2047	.3895	2.2858
2.5	2.0569	1.2715	1.24	.7985	1.2524	1.0000	.1929	1.0019	1.0203	10.9196	77.1705	3.9786	.3915	2.2630
2.5	2.0569	1.2715	1.24	.7985	1.2524	1.0500	.1909	1.0574	1.0747	10.3051	76.5313	3.7525	.3927	2.2399
2.5	2.0569	1.2715	1.24	.7985	1.2524	1.1000	.1791	1.1136	1.1282	9.2486	76.5184	3.5265	.3930	2.2165
2.5	2.0569	1.2715	1.24	.7985	1.2524	1.1500	.1562	1.1705	1.1812	7.7360	77.3692	3.3004	.3925	2.1927
2.5	2.0569	1.2715	1.24	.7985	1.2524	1.2000	.1174	1.2282	1.2341	5.5864	79.7198	3.0743	.3908	2.1684
2.5	2.0569	1.2715	1.24	.7985	1.2524	1.2500	.0259	1.2868	1.2870	1.1857	87.5193	2.8482	.3880	2.1435

LOOP BRANCH (M1 FROM 1 TO 5)

GAMMA = 1.2

M1	M1*	DELMAX	DEL	XMIN	XMAX	X(M2U*)	Y(M2V*)	M2U	M2	THETA	SIGMA	PR21	PTR21	TR21
3.0	2.2827	1.3604	1.00	.4381	2.2827	.4400	.0560	.4233	.4267	7.2519	88.2596	9.7182	.2302	1.8660
3.0	2.2827	1.3604	1.00	.4381	2.2827	.4900	.2872	.4742	.5496	30.3717	80.8994	9.4816	.2409	1.8443
3.0	2.2827	1.3604	1.00	.4381	2.2827	.5400	.3960	.5257	.6519	36.2567	77.1963	9.2451	.2523	1.8225
3.0	2.2827	1.3604	1.00	.4381	2.2827	.5900	.4757	.5778	.7423	38.8795	74.3020	9.0085	.2642	1.8008
3.0	2.2827	1.3604	1.00	.4381	2.2827	.6400	.5393	.6306	.8247	40.1197	71.8244	8.7720	.2767	1.7790
3.0	2.2827	1.3604	1.00	.4381	2.2827	.6900	.5920	.6841	.9014	40.6291	69.6094	8.5354	.2899	1.7572
3.0	2.2827	1.3604	1.00	.4381	2.2827	.7400	.6365	.7383	.9738	40.7020	67.5776	8.2988	.3038	1.7354
3.0	2.2827	1.3604	1.00	.4381	2.2827	.7900	.6745	.7931	1.0429	40.4923	65.6816	8.0623	.3184	1.7136
3.0	2.2827	1.3604	1.00	.4381	2.2827	.8400	.7071	.8488	1.1094	40.0883	63.8903	7.8257	.3338	1.6918
3.0	2.2827	1.3604	1.00	.4381	2.2827	.8900	.7348	.9052	1.1738	39.5446	62.1821	7.5891	.3500	1.6699
3.0	2.2827	1.3604	1.00	.4381	2.2827	.9400	.7584	.9623	1.2365	38.8960	60.5409	7.3526	.3670	1.6480
3.0	2.2827	1.3604	1.00	.4381	2.2827	.9900	.7781	1.0203	1.2978	38.1660	58.9546	7.1160	.3849	1.6261
3.0	2.2827	1.3604	1.00	.4381	2.2827	1.0400	.7943	1.0792	1.3579	37.3707	57.4136	6.8794	.4036	1.6042
3.0	2.2827	1.3604	1.00	.4381	2.2827	1.0900	.8072	1.1389	1.4171	36.5214	55.9100	6.6429	.4234	1.5822
3.0	2.2827	1.3604	1.00	.4381	2.2827	1.1400	.8169	1.1995	1.4757	35.6257	54.4375	6.4063	.4441	1.5602
3.0	2.2827	1.3604	1.00	.4381	2.2827	1.1900	.8237	1.2610	1.5336	34.6893	52.9904	6.1697	.4658	1.5382
3.0	2.2827	1.3604	1.00	.4381	2.2827	1.2400	.8275	1.3235	1.5912	33.7158	51.5639	5.9332	.4885	1.5161
3.0	2.2827	1.3604	1.00	.4381	2.2827	1.2900	.8284	1.3870	1.6484	32.7076	50.1539	5.6966	.5122	1.4940
3.0	2.2827	1.3604	1.00	.4381	2.2827	1.3400	.8265	1.4516	1.7055	31.6661	48.7563	5.4600	.5370	1.4719
3.0	2.2827	1.3604	1.00	.4381	2.2827	1.3900	.8218	1.5173	1.7626	30.5916	47.3678	5.2235	.5629	1.4496
3.0	2.2827	1.3604	1.00	.4381	2.2827	1.4400	.8142	1.5841	1.8198	29.4839	45.9847	4.9869	.5898	1.4273
3.0	2.2827	1.3604	1.00	.4381	2.2827	1.4900	.8037	1.6521	1.8771	28.3420	44.6040	4.7503	.6176	1.4050
3.0	2.2827	1.3604	1.00	.4381	2.2827	1.5400	.7902	1.7213	1.9347	27.1641	43.2223	4.5138	.6465	1.3825
3.0	2.2827	1.3604	1.00	.4381	2.2827	1.5900	.7737	1.7919	1.9928	25.9478	41.8365	4.2772	.6762	1.3599
3.0	2.2827	1.3604	1.00	.4381	2.2827	1.6400	.7540	1.8639	2.0514	24.6900	40.4432	4.0406	.7066	1.3372
3.0	2.2827	1.3604	1.00	.4381	2.2827	1.6900	.7309	1.9373	2.1107	23.3865	39.0390	3.8041	.7377	1.3144
3.0	2.2827	1.3604	1.00	.4381	2.2827	1.7400	.7041	2.0123	2.1709	22.0323	37.6200	3.5675	.7691	1.2914
3.0	2.2827	1.3604	1.00	.4381	2.2827	1.7900	.6736	2.0890	2.2320	20.6211	36.1823	3.3309	.8006	1.2682
3.0	2.2827	1.3604	1.00	.4381	2.2827	1.8400	.6388	2.1675	2.2944	19.1450	34.7212	3.0944	.8320	1.2447
3.0	2.2827	1.3604	1.00	.4381	2.2827	1.8900	.5993	2.2480	2.3583	17.5939	33.2316	2.8578	.8626	1.2210
3.0	2.2827	1.3604	1.00	.4381	2.2827	1.9400	.5546	2.3306	2.4240	15.9553	31.7074	2.6212	.8921	1.1968
3.0	2.2827	1.3604	1.00	.4381	2.2827	1.9900	.5040	2.4157	2.4920	14.2128	30.1415	2.3847	.9197	1.1721
3.0	2.2827	1.3604	1.00	.4381	2.2827	2.0400	.4465	2.5037	2.5629	12.3446	28.5250	2.1481	.9446	1.1467
3.0	2.2827	1.3604	1.00	.4381	2.2827	2.0900	.3806	2.5949	2.6376	10.3213	26.8471	1.9115	.9659	1.1205
3.0	2.2827	1.3604	1.00	.4381	2.2827	2.1400	.3046	2.6903	2.7174	8.1017	25.0934	1.6750	.9827	1.0929
3.0	2.2827	1.3604	1.00	.4381	2.2827	2.1900	.2157	2.7909	2.8044	5.6255	23.2452	1.4384	.9939	1.0635
3.0	2.2827	1.3604	1.00	.4381	2.2827	2.2400	.1095	2.8990	2.9025	2.7998	21.2760	1.2018	.9992	1.0313
3.0	2.2827	1.3604	1.04	.4648	2.1513	.4700	.0876	.4529	.4607	10.5618	87.1629	9.4873	.2287	2.0123
3.0	2.2827	1.3604	1.04	.4648	2.1513	.5200	.2819	.5039	.5731	28.4608	80.6841	9.2413	.2385	1.9897
3.0	2.2827	1.3604	1.04	.4648	2.1513	.5700	.3825	.5555	.6690	33.8643	77.0866	8.9953	.2486	1.9670
3.0	2.2827	1.3604	1.04	.4648	2.1513	.6200	.4564	.6077	.7546	36.3554	74.2519	8.7492	.2593	1.9443
3.0	2.2827	1.3604	1.04	.4648	2.1513	.6700	.5151	.6606	.8333	37.5525	71.8184	8.5032	.2704	1.9216
3.0	2.2827	1.3604	1.04	.4648	2.1513	.7200	.5634	.7142	.9068	38.0454	69.6404	8.2572	.2820	1.8989
3.0	2.2827	1.3604	1.04	.4648	2.1513	.7700	.6039	.7684	.9765	38.1085	67.6421	8.0112	.2941	1.8761
3.0	2.2827	1.3604	1.04	.4648	2.1513	.8200	.6381	.8233	1.0432	37.8882	65.7779	7.7651	.3068	1.8534
3.0	2.2827	1.3604	1.04	.4648	2.1513	.8700	.6669	.8789	1.1074	37.4701	64.0179	7.5191	.3199	1.8306
3.0	2.2827	1.3604	1.04	.4648	2.1513	.9200	.6909	.9353	1.1697	36.9072	62.3410	7.2731	.3337	1.8077
3.0	2.2827	1.3604	1.04	.4648	2.1513	.9700	.7108	.9924	1.2303	36.2341	60.7322	7.0270	.3480	1.7849
3.0	2.2827	1.3604	1.04	.4648	2.1513	1.0200	.7269	1.0503	1.2897	35.4739	59.1796	6.7810	.3628	1.7620
3.0	2.2827	1.3604	1.04	.4648	2.1513	1.0700	.7393	1.1090	1.3480	34.6427	57.6743	6.5350	.3783	1.7390
3.0	2.2827	1.3604	1.04	.4648	2.1513	1.1200	.7484	1.1686	1.4055	33.7514	56.2091	6.2890	.3943	1.7161
3.0	2.2827	1.3604	1.04	.4648	2.1513	1.1700	.7542	1.2290	1.4623	32.8078	54.7780	6.0429	.4108	1.6930
3.0	2.2827	1.3604	1.04	.4648	2.1513	1.2200	.7569	1.2904	1.5186	31.8169	53.3764	5.7969	.4280	1.6699
3.0	2.2827	1.3604	1.04	.4648	2.1513	1.2700	.7565	1.3527	1.5745	30.7822	52.0003	5.5509	.4456	1.6468
3.0	2.2827	1.3604	1.04	.4648	2.1513	1.3200	.7531	1.4160	1.6302	29.7055	50.6464	5.3048	.4637	1.6236
3.0	2.2827	1.3604	1.04	.4648	2.1513	1.3700	.7466	1.4803	1.6858	28.5875	49.3122	5.0588	.4823	1.6003
3.0	2.2827	1.3604	1.04	.4648	2.1513	1.4200	.7369	1.5456	1.7414	27.4280	47.9958	4.8128	.5012	1.5769
3.0	2.2827	1.3604	1.04	.4648	2.1513	1.4700	.7241	1.6121	1.7971	26.2255	46.6959	4.5667	.5204	1.5534
3.0	2.2827	1.3604	1.04	.4648	2.1513	1.5200	.7081	1.6798	1.8531	24.9778	45.4121	4.3207	.5398	1.5297
3.0	2.2827	1.3604	1.04	.4648	2.1513	1.5700	.6886	1.7487	1.9095	23.6817	44.1449	4.0747	.5593	1.5060
3.0	2.2827	1.3604	1.04	.4648	2.1513	1.6200	.6655	1.8189	1.9664	22.3327	42.8962	3.8287	.5786	1.4820
3.0	2.2827	1.3604	1.04	.4648	2.1513	1.6700	.6386	1.8905	2.0240	20.9252	41.6699	3.5826	.5975	1.4578
3.0	2.2827	1.3604	1.04	.4648	2.1513	1.7200	.6075	1.9636	2.0825	19.4520	40.4732	3.3366	.6159	1.4334
3.0	2.2827	1.3604	1.04	.4648	2.1513	1.7700	.5718	2.0384	2.1421	17.9036	39.3182	3.0906	.6333	1.4087
3.0	2.2827	1.3604	1.04	.4648	2.1513	1.8200	.5311	2.1149	2.2031	16.2682	38.2260	2.8445	.6494	1.3835
3.0	2.2827	1.3604	1.04	.4648	2.1513	1.8700	.4847	2.1935	2.2659	14.5301	37.2338	2.5985	.6637	1.3579
3.0	2.2827	1.3604	1.04	.4648	2.1513	1.9200	.4316	2.2742	2.3310	12.6687	36.4117	2.3525	.6758	1.3315
3.0	2.2827	1.3604	1.04	.4648	2.1513	1.9700	.3706	2.3577	2.3990	10.6552	35.9033	2.1065	.6849	1.3043
3.0	2.2827	1.3604	1.04	.4648	2.1513	2.0200	.3000	2.4443	2.4711	8.4478	36.0450	1.8604	.6904	1.2759
3.0	2.2827	1.3604	1.04	.4648	2.1513	2.0700	.2168	2.5349	2.5488	5.9783	37.8302	1.6144	.6916	1.2457
3.0	2.2827	1.3604	1.04	.4648	2.1513	2.1200	.1143	2.6310	2.6349	3.0854	45.9989	1.3684	.6879	1.2129

3.0	2.2827	1.3604	1.08	.4937	2.0255	.5000	.0921	.4824	.4905	10.4362	86.8928	9.2451	.2266	2.1641
3.0	2.2827	1.3604	1.08	.4937	2.0255	.5500	.2703	.5336	.5946	26.1755	80.6757	8.9896	.2354	2.1405
3.0	2.2827	1.3604	1.08	.4937	2.0255	.6000	.3644	.5853	.6848	31.2723	77.1422	8.7341	.2444	2.1169
3.0	2.2827	1.3604	1.08	.4937	2.0255	.6500	.4331	.6377	.7663	33.6787	74.3533	8.4786	.2538	2.0932
3.0	2.2827	1.3604	1.08	.4937	2.0255	.7000	.4874	.6907	.8416	34.8493	71.9596	8.2231	.2635	2.0696
3.0	2.2827	1.3604	1.08	.4937	2.0255	.7500	.5316	.7443	.9123	35.3315	69.8194	7.9676	.2736	2.0459
3.0	2.2827	1.3604	1.08	.4937	2.0255	.8000	.5682	.7985	.9795	35.3858	67.8586	7.7121	.2840	2.0222
3.0	2.2827	1.3604	1.08	.4937	2.0255	.8500	.5986	.8535	1.0438	35.1534	66.0328	7.4566	.2948	1.9984
3.0	2.2827	1.3604	1.08	.4937	2.0255	.9000	.6236	.9091	1.1060	34.7176	64.3129	7.2012	.3059	1.9746
3.0	2.2827	1.3604	1.08	.4937	2.0255	.9500	.6439	.9654	1.1663	34.1308	62.6788	6.9457	.3173	1.9508
3.0	2.2827	1.3604	1.08	.4937	2.0255	1.0000	.6601	1.0225	1.2252	33.4272	61.1161	6.6902	.3291	1.9269
3.0	2.2827	1.3604	1.08	.4937	2.0255	1.0500	.6723	1.0804	1.2828	32.6297	59.6138	6.4347	.3412	1.9030
3.0	2.2827	1.3604	1.08	.4937	2.0255	1.1000	.6808	1.1390	1.3395	31.7540	58.1639	6.1792	.3536	1.8790
3.0	2.2827	1.3604	1.08	.4937	2.0255	1.1500	.6858	1.1985	1.3954	30.8110	56.7604	5.9237	.3662	1.8550
3.0	2.2827	1.3604	1.08	.4937	2.0255	1.2000	.6875	1.2588	1.4508	29.8078	55.3988	5.6682	.3790	1.8308
3.0	2.2827	1.3604	1.08	.4937	2.0255	1.2500	.6857	1.3200	1.5056	28.7492	54.0759	5.4127	.3920	1.8066
3.0	2.2827	1.3604	1.08	.4937	2.0255	1.3000	.6807	1.3821	1.5602	27.6378	52.7901	5.1572	.4051	1.7823
3.0	2.2827	1.3604	1.08	.4937	2.0255	1.3500	.6723	1.4452	1.6146	26.4747	51.5410	4.9017	.4183	1.7579
3.0	2.2827	1.3604	1.08	.4937	2.0255	1.4000	.6606	1.5093	1.6689	25.2593	50.3297	4.6462	.4314	1.7334
3.0	2.2827	1.3604	1.08	.4937	2.0255	1.4500	.6453	1.5745	1.7234	23.9900	49.1592	4.3907	.4443	1.7087
3.0	2.2827	1.3604	1.08	.4937	2.0255	1.5000	.6263	1.6408	1.7781	22.6636	48.0353	4.1353	.4569	1.6838
3.0	2.2827	1.3604	1.08	.4937	2.0255	1.5500	.6036	1.7082	1.8332	21.2754	46.9672	3.8798	.4691	1.6587
3.0	2.2827	1.3604	1.08	.4937	2.0255	1.6000	.5766	1.7770	1.8888	19.8190	45.9696	3.6243	.4805	1.6334
3.0	2.2827	1.3604	1.08	.4937	2.0255	1.6500	.5452	1.8470	1.9453	18.2859	45.0658	3.3688	.4912	1.6078
3.0	2.2827	1.3604	1.08	.4937	2.0255	1.7000	.5089	1.9186	2.0027	16.6649	44.2933	3.1133	.5006	1.5817
3.0	2.2827	1.3604	1.08	.4937	2.0255	1.7500	.4670	1.9918	2.0615	14.9408	43.7154	2.8578	.5086	1.5552
3.0	2.2827	1.3604	1.08	.4937	2.0255	1.8000	.4186	2.0668	2.1220	13.0927	43.4439	2.6023	.5147	1.5281
3.0	2.2827	1.3604	1.08	.4937	2.0255	1.8500	.3626	2.1439	2.1847	11.0907	43.6950	2.3468	.5185	1.5001
3.0	2.2827	1.3604	1.08	.4937	2.0255	1.9000	.2971	2.2235	2.2505	8.8870	44.9418	2.0913	.5196	1.4711
3.0	2.2827	1.3604	1.08	.4937	2.0255	1.9500	.2184	2.3062	2.3206	6.3905	48.4577	1.8358	.5175	1.4405
3.0	2.2827	1.3604	1.08	.4937	2.0255	2.0000	.1155	2.3927	2.3967	3.3050	59.5532	1.5803	.5116	1.4076
3.0	2.2827	1.3604	1.12	.5252	1.9040	.5300	.0762	.5121	.5173	8.1789	87.3193	8.9915	.2239	2.3212
3.0	2.2827	1.3604	1.12	.5252	1.9040	.5800	.2522	.5633	.6143	23.4966	80.9153	8.7265	.2317	2.2967
3.0	2.2827	1.3604	1.12	.5252	1.9040	.6300	.3413	.6152	.6997	28.4466	77.4001	8.4616	.2396	2.2721
3.0	2.2827	1.3604	1.12	.5252	1.9040	.6800	.4056	.6677	.7774	30.8169	74.6424	8.1966	.2478	2.2475
3.0	2.2827	1.3604	1.12	.5252	1.9040	.7300	.4558	.7207	.8497	31.9795	72.2852	7.9317	.2561	2.2229
3.0	2.2827	1.3604	1.12	.5252	1.9040	.7800	.4961	.7744	.9178	32.4581	70.1855	7.6667	.2647	2.1982
3.0	2.2827	1.3604	1.12	.5252	1.9040	.8300	.5289	.8287	.9826	32.5049	68.2692	7.4018	.2735	2.1735
3.0	2.2827	1.3604	1.12	.5252	1.9040	.8800	.5554	.8837	1.0450	32.2583	66.4924	7.1368	.2825	2.1487
3.0	2.2827	1.3604	1.12	.5252	1.9040	.9300	.5766	.9393	1.1052	31.8007	64.8268	6.8718	.2917	2.1239
3.0	2.2827	1.3604	1.12	.5252	1.9040	.9800	.5931	.9957	1.1638	31.1838	63.2532	6.6069	.3009	2.0990
3.0	2.2827	1.3604	1.12	.5252	1.9040	1.0300	.6053	1.0527	1.2211	30.4415	61.7583	6.3419	.3103	2.0741
3.0	2.2827	1.3604	1.12	.5252	1.9040	1.0800	.6134	1.1106	1.2772	29.5968	60.3327	6.0770	.3198	2.0491
3.0	2.2827	1.3604	1.12	.5252	1.9040	1.1300	.6178	1.1692	1.3325	28.6648	58.9703	5.8120	.3294	2.0240
3.0	2.2827	1.3604	1.12	.5252	1.9040	1.1800	.6184	1.2286	1.3870	27.6559	57.6674	5.5471	.3389	1.9988
3.0	2.2827	1.3604	1.12	.5252	1.9040	1.2300	.6153	1.2888	1.4411	26.5766	56.4226	5.2821	.3483	1.9735
3.0	2.2827	1.3604	1.12	.5252	1.9040	1.2800	.6086	1.3499	1.4947	25.4306	55.2370	5.0172	.3576	1.9481
3.0	2.2827	1.3604	1.12	.5252	1.9040	1.3300	.5983	1.4119	1.5482	24.2194	54.1144	4.7522	.3667	1.9225
3.0	2.2827	1.3604	1.12	.5252	1.9040	1.3800	.5841	1.4749	1.6016	22.9421	53.0619	4.4873	.3754	1.8968
3.0	2.2827	1.3604	1.12	.5252	1.9040	1.4300	.5661	1.5389	1.6551	21.5960	52.0912	4.2223	.3836	1.8709
3.0	2.2827	1.3604	1.12	.5252	1.9040	1.4800	.5438	1.6040	1.7088	20.1765	51.2208	3.9574	.3913	1.8447
3.0	2.2827	1.3604	1.12	.5252	1.9040	1.5300	.5172	1.6702	1.7630	18.6761	50.4792	3.6924	.3982	1.8182
3.0	2.2827	1.3604	1.12	.5252	1.9040	1.5800	.4856	1.7377	1.8179	17.0846	49.9113	3.4274	.4041	1.7914
3.0	2.2827	1.3604	1.12	.5252	1.9040	1.6300	.4486	1.8064	1.8736	15.3875	49.5900	3.1625	.4088	1.7641
3.0	2.2827	1.3604	1.12	.5252	1.9040	1.6800	.4053	1.8767	1.9306	13.5636	49.6401	2.8975	.4121	1.7362
3.0	2.2827	1.3604	1.12	.5252	1.9040	1.7300	.3545	1.9487	1.9892	11.5812	50.2920	2.6326	.4136	1.7077
3.0	2.2827	1.3604	1.12	.5252	1.9040	1.7800	.2942	2.0226	2.0500	9.3864	52.0219	2.3676	.4131	1.6781
3.0	2.2827	1.3604	1.12	.5252	1.9040	1.8300	.2204	2.0988	2.1140	6.8663	56.0170	2.1027	.4101	1.6472
3.0	2.2827	1.3604	1.12	.5252	1.9040	1.8800	.1189	2.1779	2.1823	3.6197	66.7573	1.8377	.4043	1.6145
3.0	2.2827	1.3604	1.16	.5601	1.7854	.5700	.1026	.5520	.5608	10.2012	86.2125	8.6716	.2220	2.4787
3.0	2.2827	1.3604	1.16	.5601	1.7854	.6200	.2466	.6035	.6495	21.6913	80.6597	8.3972	.2287	2.4532
3.0	2.2827	1.3604	1.16	.5601	1.7854	.6700	.3260	.6556	.7291	25.9471	77.3234	8.1228	.2356	2.4276
3.0	2.2827	1.3604	1.16	.5601	1.7854	.7200	.3833	.7082	.8024	28.0302	74.6815	7.8484	.2426	2.4020
3.0	2.2827	1.3604	1.16	.5601	1.7854	.7700	.4275	.7615	.8710	29.0404	72.4203	7.5740	.2497	2.3764
3.0	2.2827	1.3604	1.16	.5601	1.7854	.8200	.4624	.8154	.9361	29.4209	70.4099	7.2996	.2568	2.3507
3.0	2.2827	1.3604	1.16	.5601	1.7854	.8700	.4901	.8699	.9984	29.3927	68.5825	7.0251	.2641	2.3249
3.0	2.2827	1.3604	1.16	.5601	1.7854	.9200	.5116	.9250	1.0584	29.0797	66.8979	6.7507	.2713	2.2991
3.0	2.2827	1.3604	1.16	.5601	1.7854	.9700	.5279	.9808	1.1167	28.5567	65.3310	6.4763	.2786	2.2732
3.0	2.2827	1.3604	1.16	.5601	1.7854	1.0200	.5394	1.0373	1.1735	27.8712	63.8656	6.2019	.2859	2.2472
3.0	2.2827	1.3604	1.16	.5601	1.7854	1.0700	.5465	1.0945	1.2290	27.0545	62.4916	5.9275	.2930	2.2211
3.0	2.2827	1.3604	1.16	.5601	1.7854	1.1200	.5493	1.1525	1.2837	26.1271	61.2036	5.6531	.3001	2.1950
3.0	2.2827	1.3604	1.16	.5601	1.7854	1.1700	.5481	1.2112	1.3376	25.1024	60.0002	5.3786	.3069	2.1686
3.0	2.2827	1.3604	1.16	.5601	1.7854	1.2200	.5429	1.2708	1.3909	23.9888	58.8840	5.1042	.3135	2.1422
3.0	2.2827	1.3604	1.16	.5601	1.7854	1.2700	.5336	1.3311	1.4439	22.7904	57.8621	4.8298	.3198	2.1156
3.0	2.2827	1.3604	1.16	.5601	1.7854	1.3200	.5202	1.3924	1.4966	21.5084	56.9470	4.5554	.3256	2.0888
3.0	2.2827	1.3604	1.16	.5601	1.7854	1.3700	.5024	1.4546	1.5493	20.1405	56.1593	4.2810	.3309	2.0617
3.0	2.2827	1.3604	1.16	.5601	1.7854	1.4200	.4801	1.5178	1.6022	18.6813	55.5308	4.0066	.3355	2.0344
3.0	2.2827	1.3604	1.16	.5601	1.7854	1.4700	.4528	1.5820	1.6554	17.1216	55.1112	3.7321	.3392	2.0067
3.0	2.2827	1.3604	1.16	.5601	1.7854	1.5200	.4200	1.6474	1.7091	15.4467	54.9801	3.4577	.3420	1.9787
3.0	2.2827	1.3604	1.16	.5601	1.7854	1.5700	.3808	1.7140	1.7637	13.6344	55.2718	3.1833	.3437	1.9500
3.0	2.2827	1.3604	1.16	.5601	1.7854	1.6200	.3340	1.7820	1.8195	11.6480	56.2288	2.9089	.3439	1.9208
3.0	2.2827	1.3604	1.16	.5601	1.7854	1.6700	.2771	1.8516	1.8770	9.4211	58.3418	2.6345	.3425	1.8906
3.0	2.2827	1.3604	1.16	.5601	1.7854	1.7200	.2051	1.9231	1.9367	6.8000	62.8185	2.3601	.3391	1.8593
3.0	2.2827	1.3604	1.16	.5601	1.7854	1.7700	.0963	1.9967	1.9997	3.1131	74.5959	2.0856	.3336	1.8263

3.0	2.2827	1.3604	1.20	.5997	1.6676	.6000	.0180	.5817	.5819	1.7183	89.3050	8.3934	.2179	2.6464
3.0	2.2827	1.3604	1.20	.5997	1.6676	.6500	.2108	.6333	.6658	17.9652	81.6376	8.1096	.2236	2.6199
3.0	2.2827	1.3604	1.20	.5997	1.6676	.7000	.2893	.6855	.7418	22.4577	78.1898	7.8257	.2294	2.5933
3.0	2.2827	1.3604	1.20	.5997	1.6676	.7500	.3439	.7383	.8122	24.6311	75.5430	7.5418	.2352	2.5667
3.0	2.2827	1.3604	1.20	.5997	1.6676	.8000	.3847	.7917	.8784	25.6841	73.3168	7.2579	.2410	2.5400
3.0	2.2827	1.3604	1.20	.5997	1.6676	.8500	.4160	.8456	.9415	26.0797	71.3656	6.9740	.2467	2.5132
3.0	2.2827	1.3604	1.20	.5997	1.6676	.9000	.4398	.9002	1.0019	26.0457	69.6167	6.6902	.2524	2.4864
3.0	2.2827	1.3604	1.20	.5997	1.6676	.9500	.4574	.9554	1.0603	25.7092	68.0297	6.4063	.2581	2.4595
3.0	2.2827	1.3604	1.20	.5997	1.6676	1.0000	.4694	1.0112	1.1171	25.1464	66.5808	6.1224	.2635	2.4325
3.0	2.2827	1.3604	1.20	.5997	1.6676	1.0500	.4764	1.0677	1.1725	24.4054	65.2571	5.8385	.2688	2.4053
3.0	2.2827	1.3604	1.20	.5997	1.6676	1.1000	.4787	1.1250	1.2269	23.5169	64.0536	5.5546	.2738	2.3780
3.0	2.2827	1.3604	1.20	.5997	1.6676	1.1500	.4764	1.1830	1.2804	22.5005	62.9719	5.2708	.2786	2.3506
3.0	2.2827	1.3604	1.20	.5997	1.6676	1.2000	.4695	1.2417	1.3334	21.3679	62.0208	4.9869	.2829	2.3230
3.0	2.2827	1.3604	1.20	.5997	1.6676	1.2500	.4580	1.3013	1.3859	20.1245	61.2174	4.7030	.2868	2.2952
3.0	2.2827	1.3604	1.20	.5997	1.6676	1.3000	.4418	1.3617	1.4382	18.7704	60.5903	4.4191	.2902	2.2671
3.0	2.2827	1.3604	1.20	.5997	1.6676	1.3500	.4205	1.4230	1.4904	17.3006	60.1849	4.1353	.2929	2.2387
3.0	2.2827	1.3604	1.20	.5997	1.6676	1.4000	.3936	1.4852	1.5428	15.7032	60.0735	3.8514	.2948	2.2100
3.0	2.2827	1.3604	1.20	.5997	1.6676	1.4500	.3604	1.5486	1.5957	13.9577	60.3757	3.5675	.2957	2.1807
3.0	2.2827	1.3604	1.20	.5997	1.6676	1.5000	.3196	1.6130	1.6492	12.0276	61.3013	3.2836	.2956	2.1510
3.0	2.2827	1.3604	1.20	.5997	1.6676	1.5500	.2689	1.6787	1.7038	9.8437	63.2581	2.9997	.2942	2.1204
3.0	2.2827	1.3604	1.20	.5997	1.6676	1.6000	.2034	1.7459	1.7599	7.2440	67.1984	2.7159	.2914	2.0890
3.0	2.2827	1.3604	1.20	.5997	1.6676	1.6500	.1025	1.8147	1.8182	3.5559	76.7007	2.4320	.2869	2.0562
3.0	2.2827	1.3604	1.24	.6459	1.5483	.6500	.0565	.6321	.6345	4.9715	87.6871	7.9866	.2151	2.8084
3.0	2.2827	1.3604	1.24	.6459	1.5483	.7000	.1987	.6841	.7111	15.8448	81.6275	7.6932	.2199	2.7808
3.0	2.2827	1.3604	1.24	.6459	1.5483	.7500	.2665	.7366	.7817	19.5599	78.4151	7.3999	.2245	2.7532
3.0	2.2827	1.3604	1.24	.6459	1.5483	.8000	.3128	.7897	.8479	21.3551	75.9499	7.1065	.2291	2.7255
3.0	2.2827	1.3604	1.24	.6459	1.5483	.8500	.3464	.8434	.9107	22.1734	73.8961	6.8132	.2336	2.6977
3.0	2.2827	1.3604	1.24	.6459	1.5483	.9000	.3709	.8976	.9709	22.3958	72.1238	6.5198	.2379	2.6698
3.0	2.2827	1.3604	1.24	.6459	1.5483	.9500	.3880	.9525	1.0289	22.2147	70.5703	6.2265	.2421	2.6418
3.0	2.2827	1.3604	1.24	.6459	1.5483	1.0000	.3987	1.0080	1.0852	21.7389	69.2038	5.9332	.2460	2.6136
3.0	2.2827	1.3604	1.24	.6459	1.5483	1.0500	.4038	1.0642	1.1402	21.0336	68.0107	5.6398	.2496	2.5853
3.0	2.2827	1.3604	1.24	.6459	1.5483	1.1000	.4034	1.1211	1.1941	20.1388	66.9906	5.3465	.2529	2.5569
3.0	2.2827	1.3604	1.24	.6459	1.5483	1.1500	.3977	1.1787	1.2472	19.0782	66.1555	5.0531	.2557	2.5282
3.0	2.2827	1.3604	1.24	.6459	1.5483	1.2000	.3868	1.2370	1.2997	17.8638	65.5315	4.7598	.2581	2.4993
3.0	2.2827	1.3604	1.24	.6459	1.5483	1.2500	.3702	1.2962	1.3518	16.4975	65.1642	4.4664	.2599	2.4701
3.0	2.2827	1.3604	1.24	.6459	1.5483	1.3000	.3476	1.3561	1.4038	14.9710	65.1288	4.1731	.2610	2.4405
3.0	2.2827	1.3604	1.24	.6459	1.5483	1.3500	.3182	1.4170	1.4559	13.2624	65.5519	3.8798	.2613	2.4105
3.0	2.2827	1.3604	1.24	.6459	1.5483	1.4000	.2804	1.4789	1.5083	11.3267	66.6599	3.5864	.2608	2.3800
3.0	2.2827	1.3604	1.24	.6459	1.5483	1.4500	.2314	1.5419	1.5614	9.0669	68.9071	3.2931	.2592	2.3488
3.0	2.2827	1.3604	1.24	.6459	1.5483	1.5000	.1633	1.6060	1.6155	6.2137	73.4587	2.9997	.2563	2.3168
3.0	2.2827	1.3604	1.28	.7029	1.4227	.7100	.0658	.6932	.6961	5.2980	87.1175	7.5002	.2118	2.9691
3.0	2.2827	1.3604	1.28	.7029	1.4227	.7600	.1794	.7456	.7661	13.2803	81.8823	7.1974	.2154	2.9404
3.0	2.2827	1.3604	1.28	.7029	1.4227	.8100	.2353	.7986	.8316	16.1992	78.9735	6.8946	.2189	2.9116
3.0	2.2827	1.3604	1.28	.7029	1.4227	.8600	.2720	.8521	.8937	17.5494	76.7785	6.5918	.2222	2.8827
3.0	2.2827	1.3604	1.28	.7029	1.4227	.9100	.2967	.9062	.9532	18.0575	75.0046	6.2890	.2252	2.8537
3.0	2.2827	1.3604	1.28	.7029	1.4227	.9600	.3124	.9609	1.0105	18.0266	73.5429	5.9861	.2280	2.8245
3.0	2.2827	1.3604	1.28	.7029	1.4227	1.0100	.3206	1.0163	1.0662	17.6115	72.3493	5.6833	.2305	2.7952
3.0	2.2827	1.3604	1.28	.7029	1.4227	1.0600	.3220	1.0723	1.1206	16.8981	71.4138	5.3805	.2326	2.7656
3.0	2.2827	1.3604	1.28	.7029	1.4227	1.1100	.3169	1.1289	1.1740	15.9340	70.7526	5.0777	.2342	2.7359
3.0	2.2827	1.3604	1.28	.7029	1.4227	1.1600	.3052	1.1863	1.2267	14.7411	70.4100	4.7749	.2353	2.7058
3.0	2.2827	1.3604	1.28	.7029	1.4227	1.2100	.2865	1.2445	1.2789	13.3199	70.4693	4.4721	.2359	2.6754
3.0	2.2827	1.3604	1.28	.7029	1.4227	1.2600	.2597	1.3034	1.3308	11.6445	71.0814	4.1693	.2357	2.6446
3.0	2.2827	1.3604	1.28	.7029	1.4227	1.3100	.2226	1.3632	1.3828	9.6440	72.5370	3.8665	.2348	2.6133
3.0	2.2827	1.3604	1.28	.7029	1.4227	1.3600	.1700	1.4240	1.4351	7.1244	75.5068	3.5637	.2330	2.5814
3.0	2.2827	1.3604	1.28	.7029	1.4227	1.4100	.0778	1.4858	1.4880	3.1575	82.7051	3.2609	.2302	2.5486
3.0	2.2827	1.3604	1.32	.7814	1.2798	.7900	.0597	.7757	.7779	4.3200	87.1454	6.8662	.2076	3.1217
3.0	2.2827	1.3604	1.32	.7814	1.2798	.8400	.1468	.8288	.8413	9.9128	82.7055	6.5539	.2100	3.0917
3.0	2.2827	1.3604	1.32	.7814	1.2798	.8900	.1872	.8824	.9017	11.8787	80.3138	6.2416	.2121	3.0616
3.0	2.2827	1.3604	1.32	.7814	1.2798	.9400	.2101	.9366	.9597	12.5978	78.6523	5.9294	.2138	3.0313
3.0	2.2827	1.3604	1.32	.7814	1.2798	.9900	.2211	.9914	1.0159	12.5917	77.4915	5.6171	.2152	3.0009
3.0	2.2827	1.3604	1.32	.7814	1.2798	1.0400	.2224	1.0469	1.0706	12.0726	76.7790	5.3048	.2162	2.9702
3.0	2.2827	1.3604	1.32	.7814	1.2798	1.0900	.2145	1.1030	1.1241	11.1323	76.5493	4.9926	.2167	2.9391
3.0	2.2827	1.3604	1.32	.7814	1.2798	1.1400	.1966	1.1598	1.1769	9.7871	76.9262	4.6803	.2167	2.9078
3.0	2.2827	1.3604	1.32	.7814	1.2798	1.1900	.1665	1.2173	1.2292	7.9638	78.1988	4.3680	.2160	2.8760
3.0	2.2827	1.3604	1.32	.7814	1.2798	1.2400	.1160	1.2756	1.2812	5.3430	81.1732	4.0558	.2146	2.8438
3.0	2.2827	1.3604	1.36	.9769	1.0237	.9800	.0105	.9781	.9781	.6111	89.3872	5.4941	.2021	3.2074

LOOP 8RANCH (M1 FROM 1 TO 51

GAMMA = 1.2

M1	M1*	DELMAX	DEL	XMIN	XMAX	X(M2U*1	Y(M2V*1	M2U	M2	THETA	SIGMA	PR21	PTR21	TR21
3.5	2.4609	1.4336	1.00	.4064	2.4609	.4100	.0829	.3941	.4020	11.4314	87.6852	13.2509	.1202	2.1896
3.5	2.4609	1.4336	1.00	.4064	2.4609	.4600	.3136	.4449	.5385	34.2873	81.0915	12.9523	.1267	2.1623
3.5	2.4609	1.4336	1.00	.4064	2.4609	.5100	.4300	.4964	.6493	40.1358	77.5702	12.6536	.1336	2.1350
3.5	2.4609	1.4336	1.00	.4064	2.4609	.5600	.5162	.5486	.7461	42.6702	74.8073	12.3549	.1409	2.1077
3.5	2.4609	1.4336	1.00	.4064	2.4609	.6100	.5857	.6015	.8339	43.8376	72.4397	12.0563	.1487	2.0803
3.5	2.4609	1.4336	1.00	.4064	2.4609	.6600	.6440	.6551	.9153	44.2974	70.3231	11.7576	.1570	2.0530
3.5	2.4609	1.4336	1.00	.4064	2.4609	.7100	.6939	.7095	.9920	44.3416	68.3823	11.4589	.1659	2.0256
3.5	2.4609	1.4336	1.00	.4064	2.4609	.7600	.7370	.7646	1.0651	44.1208	66.5725	11.1603	.1753	1.9983
3.5	2.4609	1.4336	1.00	.4064	2.4609	.8100	.7746	.8206	1.1354	43.7206	64.8642	10.8616	.1853	1.9709
3.5	2.4609	1.4336	1.00	.4064	2.4609	.8600	.8074	.8773	1.2034	43.1932	63.2368	10.5629	.1960	1.9435
3.5	2.4609	1.4336	1.00	.4064	2.4609	.9100	.8360	.9350	1.2696	42.5719	61.6750	10.2643	.2074	1.9161
3.5	2.4609	1.4336	1.00	.4064	2.4609	.9600	.8607	.9935	1.3343	41.8790	60.1675	9.9656	.2195	1.8887
3.5	2.4609	1.4336	1.00	.4064	2.4609	1.0100	.8820	1.0529	1.3978	41.1299	58.7050	9.6669	.2325	1.8613
3.5	2.4609	1.4336	1.00	.4064	2.4609	1.0600	.9001	1.1132	1.4604	40.3351	57.2803	9.3682	.2463	1.8339
3.5	2.4609	1.4336	1.00	.4064	2.4609	1.1100	.9151	1.1746	1.5223	39.5022	55.8874	9.0696	.2610	1.8064
3.5	2.4609	1.4336	1.00	.4064	2.4609	1.1600	.9272	1.2369	1.5835	38.6366	54.5210	8.7709	.2768	1.7789
3.5	2.4609	1.4336	1.00	.4064	2.4609	1.2100	.9366	1.3003	1.6444	37.7420	53.1767	8.4722	.2935	1.7514
3.5	2.4609	1.4336	1.00	.4064	2.4609	1.2600	.9433	1.3649	1.7050	36.8210	51.8507	8.1736	.3114	1.7239
3.5	2.4609	1.4336	1.00	.4064	2.4609	1.3100	.9474	1.4305	1.7654	35.8753	50.5396	7.8749	.3305	1.6963
3.5	2.4609	1.4336	1.00	.4064	2.4609	1.3600	.9490	1.4973	1.8258	34.9059	49.2400	7.5762	.3509	1.6687
3.5	2.4609	1.4336	1.00	.4064	2.4609	1.4100	.9479	1.5654	1.8863	33.9131	47.9493	7.2776	.3725	1.6411
3.5	2.4609	1.4336	1.00	.4064	2.4609	1.4600	.9444	1.6347	1.9469	32.8969	46.6645	6.9789	.3956	1.6134
3.5	2.4609	1.4336	1.00	.4064	2.4609	1.5100	.9383	1.7054	2.0079	31.8565	45.3830	6.6802	.4202	1.5857
3.5	2.4609	1.4336	1.00	.4064	2.4609	1.5600	.9296	1.7775	2.0692	30.7909	44.1024	6.3816	.4463	1.5579
3.5	2.4609	1.4336	1.00	.4064	2.4609	1.6100	.9183	1.8511	2.1310	29.6988	42.8199	6.0829	.4740	1.5301
3.5	2.4609	1.4336	1.00	.4064	2.4609	1.6600	.9042	1.9262	2.1935	28.5781	41.5330	5.7842	.5033	1.5022
3.5	2.4609	1.4336	1.00	.4064	2.4609	1.7100	.8874	2.0030	2.2566	27.4264	40.2391	5.4856	.5343	1.4743
3.5	2.4609	1.4336	1.00	.4064	2.4609	1.7600	.8676	2.0815	2.3206	26.2407	38.9352	5.1869	.5670	1.4462
3.5	2.4609	1.4336	1.00	.4064	2.4609	1.8100	.8447	2.1618	2.3856	25.0174	37.6185	4.8882	.6013	1.4180
3.5	2.4609	1.4336	1.00	.4064	2.4609	1.8600	.8185	2.2440	2.4516	23.7521	36.2856	4.5896	.6371	1.3897
3.5	2.4609	1.4336	1.00	.4064	2.4609	1.9100	.7888	2.3283	2.5190	22.4392	34.9330	4.2909	.6744	1.3612
3.5	2.4609	1.4336	1.00	.4064	2.4609	1.9600	.7552	2.4148	2.5878	21.0722	33.5564	3.9922	.7129	1.3326
3.5	2.4609	1.4336	1.00	.4064	2.4609	2.0100	.7174	2.5037	2.6584	19.6427	32.1514	3.6936	.7523	1.3037
3.5	2.4609	1.4336	1.00	.4064	2.4609	2.0600	.6749	2.5952	2.7309	18.1403	30.7123	3.3949	.7921	1.2745
3.5	2.4609	1.4336	1.00	.4064	2.4609	2.1100	.6271	2.6896	2.8058	16.5515	29.2327	3.0962	.8317	1.2449
3.5	2.4609	1.4336	1.00	.4064	2.4609	2.1600	.5731	2.7872	2.8836	14.8590	27.7046	2.7976	.8703	1.2148
3.5	2.4609	1.4336	1.00	.4064	2.4609	2.2100	.5118	2.8885	2.9649	13.0391	26.1180	2.4989	.9066	1.1841
3.5	2.4609	1.4336	1.00	.4064	2.4609	2.2600	.4417	2.9942	3.0508	11.0590	24.4601	2.2002	.9394	1.1524
3.5	2.4609	1.4336	1.00	.4064	2.4609	2.3100	.3606	3.1053	3.1429	8.8717	22.7139	1.9016	.9667	1.1194
3.5	2.4609	1.4336	1.00	.4064	2.4609	2.3600	.2649	3.2234	3.2437	6.4050	20.8557	1.6029	.9867	1.0842
3.5	2.4609	1.4336	1.00	.4064	2.4609	2.4100	.1492	3.3519	3.3583	3.5420	18.8509	1.3042	.9976	1.0457
3.5	2.4609	1.4336	1.00	.4064	2.4609	2.4600	.0031	3.4971	3.4971	.0725	16.6450	1.0056	1.0000	1.0009
3.5	2.4609	1.4336	1.04	.4297	2.3273	.4300	.0237	.4135	.4141	3.1490	89.3166	13.0287	.1189	2.3660
3.5	2.4609	1.4336	1.04	.4297	2.3273	.4800	.2916	.4644	.5434	31.2806	81.4214	12.7181	.1248	2.3375
3.5	2.4609	1.4336	1.04	.4297	2.3273	.5300	.4057	.5159	.6497	37.4314	77.8429	12.4075	.1310	2.3091
3.5	2.4609	1.4336	1.04	.4297	2.3273	.5800	.4890	.5681	.7430	40.1361	75.0630	12.0969	.1376	2.2806
3.5	2.4609	1.4336	1.04	.4297	2.3273	.6300	.5557	.6209	.8280	41.4134	72.6914	11.7863	.1446	2.2522
3.5	2.4609	1.4336	1.04	.4297	2.3273	.6800	.6111	.6745	.9068	41.9463	70.5769	11.4756	.1520	2.2237
3.5	2.4609	1.4336	1.04	.4297	2.3273	.7300	.6582	.7288	.9813	42.0389	68.6420	11.1650	.1597	2.1952
3.5	2.4609	1.4336	1.04	.4297	2.3273	.7800	.6986	.7838	1.0522	41.8487	66.8407	10.8544	.1680	2.1667
3.5	2.4609	1.4336	1.04	.4297	2.3273	.8300	.7334	.8396	1.1204	41.4656	65.1428	10.5438	.1767	2.1382
3.5	2.4609	1.4336	1.04	.4297	2.3273	.8800	.7635	.8962	1.1864	40.9444	63.5276	10.2332	.1859	2.1096
3.5	2.4609	1.4336	1.04	.4297	2.3273	.9300	.7893	.9536	1.2507	40.3205	61.9799	9.9226	.1956	2.0811
3.5	2.4609	1.4336	1.04	.4297	2.3273	.9800	.8112	1.0118	1.3135	39.6176	60.4879	9.6120	.2059	2.0525
3.5	2.4609	1.4336	1.04	.4297	2.3273	1.0300	.8297	1.0709	1.3751	38.8516	59.0428	9.3013	.2167	2.0239
3.5	2.4609	1.4336	1.04	.4297	2.3273	1.0800	.8448	1.1309	1.4358	38.0340	57.6373	8.9907	.2282	1.9952
3.5	2.4609	1.4336	1.04	.4297	2.3273	1.1300	.8569	1.1919	1.4958	37.1727	56.2655	8.6801	.2403	1.9666
3.5	2.4609	1.4336	1.04	.4297	2.3273	1.1800	.8659	1.2538	1.5552	36.2731	54.9225	8.3695	.2530	1.9379
3.5	2.4609	1.4336	1.04	.4297	2.3273	1.2300	.8722	1.3167	1.6141	35.3393	53.6041	8.0589	.2665	1.9092
3.5	2.4609	1.4336	1.04	.4297	2.3273	1.2800	.8756	1.3807	1.6728	34.3738	52.3069	7.7483	.2806	1.8804
3.5	2.4609	1.4336	1.04	.4297	2.3273	1.3300	.8762	1.4457	1.7313	33.3781	51.0277	7.4377	.2955	1.8516
3.5	2.4609	1.4336	1.04	.4297	2.3273	1.3800	.8742	1.5119	1.7897	32.3529	49.7641	7.1270	.3112	1.8227
3.5	2.4609	1.4336	1.04	.4297	2.3273	1.4300	.8694	1.5792	1.8482	31.2983	48.5136	6.8164	.3276	1.7938
3.5	2.4609	1.4336	1.04	.4297	2.3273	1.4800	.8619	1.6478	1.9069	30.2136	47.2744	6.5058	.3447	1.7648
3.5	2.4609	1.4336	1.04	.4297	2.3273	1.5300	.8515	1.7177	1.9658	29.0977	46.0449	6.1952	.3626	1.7358
3.5	2.4609	1.4336	1.04	.4297	2.3273	1.5800	.8383	1.7889	2.0251	27.9486	44.8237	5.8846	.3813	1.7067
3.5	2.4609	1.4336	1.04	.4297	2.3273	1.6300	.8221	1.8615	2.0849	26.7640	43.6102	5.5740	.4006	1.6774
3.5	2.4609	1.4336	1.04	.4297	2.3273	1.6800	.8028	1.9356	2.1453	25.5406	42.4039	5.2634	.4205	1.6481
3.5	2.4609	1.4336	1.04	.4297	2.3273	1.7300	.7802	2.0113	2.2064	24.2746	41.2053	4.9527	.4410	1.6186
3.5	2.4609	1.4336	1.04	.4297	2.3273	1.7800	.7541	2.0886	2.2684	22.9609	40.0155	4.6421	.4618	1.5890
3.5	2.4609	1.4336	1.04	.4297	2.3273	1.8300	.7243	2.1678	2.3314	21.5935	38.8376	4.3315	.4828	1.5591
3.5	2.4609	1.4336	1.04	.4297	2.3273	1.8800	.6904	2.2488	2.3956	20.1647	37.6765	4.0209	.5038	1.5290
3.5	2.4609	1.4336	1.04	.4297	2.3273	1.9300	.6519	2.3319	2.4613	18.6648	36.5413	3.7103	.5243	1.4986
3.5	2.4609	1.4336	1.04	.4297	2.3273	1.9800	.6084	2.4173	2.5288	17.0813	35.4474	3.3997	.5441	1.4679
3.5	2.4609	1.4336	1.04	.4297	2.3273	2.0300	.5591	2.5051	2.5984	15.3983	34.4226	3.0891	.5626	1.4366
3.5	2.4609	1.4336	1.04	.4297	2.3273	2.0800	.5030	2.5958	2.6706	13.5940	33.5183	2.7784	.5791	1.4047
3.5	2.4609	1.4336	1.04	.4297	2.3273	2.1300	.4387	2.6898	2.7463	11.6383	32.8379	2.4678	.5927	1.3719
3.5	2.4609	1.4336	1.04	.4297	2.3273	2.1800	.3643	2.7878	2.8265	9.4877	32.6161	2.1572	.6025	1.3378
3.5	2.4609	1.4336	1.04	.4297	2.3273	2.2300	.2767	2.8909	2.9130	7.0730	33.5002	1.8466	.6073	1.3018
3.5	2.4609	1.4336	1.04	.4297	2.3273	2.2800	.1698	3.0008	3.0092	4.2603	38.0925	1.5360	.6060	1.2630
3.5	2.4609	1.4336	1.08	.4545	2.2004	.4600	.0940	.4431	.4522	11.5445	87.1808	12.7324	.1185	2.5432
3.5	2.4609	1.4336	1.08	.4545	2.2004	.5100	.2927	.4941	.5697	29.8563	81.0463	12.4099	.1239	2.5137
3.5	2.4609	1.4336	1.08	.4545	2.2004	.5600	.3970	.5458	.6690	35.3356	77.6150	12.0873	.1296	2.4841
3.5	2.4609	1.4336	1.08	.4545	2.2004	.6100	.4739	.5981	.7574	37.8455	74.9126	11.7648	.1355	2.4545
3.5	2.4609	1.4336	1.08	.4545	2.2004	.6600	.5354	.6510	.8383	39.0506	72.5952	11.4422	.1417	2.4248
3.5	2.4609	1.4336	1.08	.4545	2.2004	.7100	.5864	.7047	.9139	39.5515	70.5242	11.1196	.1483	2.3952
3.5	2.4609	1.4336	1.08	.4545	2.2004	.7600	.6293	.7590	.9854	39.6257	68.6272	10.7971	.1552	2.3655
3.5	2.4609	1.4336	1.08	.4545	2.2004	.8100	.6658	.8141	1.0538	39.4202	66.8607	10.4745	.1624	2.3359
3.5	2.4609	1.4336	1.08	.4545	2.2004	.8600	.6969	.8699	1.1196	39.0207	65.1963	10.1520	.1699	2.3062
3.5	2.4609	1.4336	1.08	.4545	2.2004	.9100	.7233	.9264	1.1834	38.4801	63.6140	9.8294	.1779	2.2764
3.5	2.4609	1.4336	1.08	.4545	2.2004	.9600	.7455	.9838	1.2456	37.8327	62.0995	9.5068	.1862	2.2467
3.5	2.4609	1.4336	1.08	.4545	2.2004	1.0100	.7639	1.0419	1.3064	37.1018	60.6418	9.1843	.1948	2.2169
3.5	2.4609	1.4336	1.08	.4545	2.2004	1.0600	.7787	1.1009	1.3661	36.3032	59.2325	8.8617	.2039	2.1871
3.5	2.4609	1.4336	1.08	.4545	2.2004	1.1100	.7902	1.1608	1.4250	35.4479	57.8650	8.5391	.2134	2.1572
3.5	2.4609	1.4336	1.08	.4545	2.2004	1.1600	.7985	1.2216	1.4831	34.5436	56.5341	8.2166	.2232	2.1273
3.5	2.4609	1.4336	1.08	.4545	2.2004	1.2100	.8038	1.2833	1.5407	33.5957	55.2354	7.8940	.2335	2.0974
3.5	2.4609	1.4336	1.08	.4545	2.2004	1.2600	.8060	1.3460	1.5979	32.6077	53.9658	7.5715	.2442	2.0674
3.5	2.4609	1.4336	1.08	.4545	2.2004	1.3100	.8053	1.4097	1.6548	31.5818	52.7226	7.2489	.2553	2.0373
3.5	2.4609	1.4336	1.08	.4545	2.2004	1.3600	.8017	1.4745	1.7116	30.5190	51.5041	6.9263	.2667	2.0072
3.5	2.4609	1.4336	1.08	.4545	2.2004	1.4100	.7951	1.5403	1.7683	29.4194	50.3089	6.6038	.2785	1.9770
3.5	2.4609	1.4336	1.08	.4545	2.2004	1.4600	.7855	1.6073	1.8252	28.2821	49.1368	6.2812	.2906	1.9467
3.5	2.4609	1.4336	1.08	.4545	2.2004	1.5100	.7729	1.6754	1.8822	27.1056	47.9883	5.9587	.3030	1.9164
3.5	2.4609	1.4336	1.08	.4545	2.2004	1.5600	.7571	1.7449	1.9395	25.8875	46.8649	5.6361	.3155	1.8859
3.5	2.4609	1.4336	1.08	.4545	2.2004	1.6100	.7379	1.8156	1.9972	24.6242	45.7695	5.3135	.3282	1.8552
3.5	2.4609	1.4336	1.08	.4545	2.2004	1.6600	.7153	1.8877	2.0555	23.3115	44.7073	4.9910	.3408	1.8244
3.5	2.4609	1.4336	1.08	.4545	2.2004	1.7100	.6889	1.9613	2.1145	21.9436	43.6861	4.6684	.3534	1.7934
3.5	2.4609	1.4336	1.08	.4545	2.2004	1.7600	.6585	2.0365	2.1744	20.5133	42.7181	4.3459	.3656	1.7621
3.5	2.4609	1.4336	1.08	.4545	2.2004	1.8100	.6236	2.1134	2.2353	19.0113	41.8225	4.0233	.3772	1.7305
3.5	2.4609	1.4336	1.08	.4545	2.2004	1.8600	.5838	2.1921	2.2975	17.4256	41.0302	3.7007	.3880	1.6986
3.5	2.4609	1.4336	1.08	.4545	2.2004	1.9100	.5383	2.2728	2.3614	15.7405	40.3923	3.3782	.3976	1.6662
3.5	2.4609	1.4336	1.08	.4545	2.2004	1.9600	.4863	2.3558	2.4273	13.9343	39.9987	3.0556	.4056	1.6331
3.5	2.4609	1.4336	1.08	.4545	2.2004	2.0100	.4264	2.4414	2.4957	11.9764	40.0207	2.7331	.4115	1.5992
3.5	2.4609	1.4336	1.08	.4545	2.2004	2.0600	.3566	2.5301	2.5677	9.8201	40.8232	2.4105	.4147	1.5640
3.5	2.4609	1.4336	1.08	.4545	2.2004	2.1100	.2734	2.6226	2.6445	7.3833	43.3419	2.0879	.4144	1.5272
3.5	2.4609	1.4336	1.08	.4545	2.2004	2.1600	.1686	2.7201	2.7283	4.4638	50.9729	1.7654	.4099	1.4878

3.5	2.4609	1.4336	1.12	.4810	2.0791	.4900	.1144	.4727	.4854	13.1406	86.4336	12.4218	.1177	2.7268
3.5	2.4609	1.4336	1.12	.4810	2.0791	.5400	.2876	.5239	.5935	28.0377	80.8496	12.0873	.1226	2.6961
3.5	2.4609	1.4336	1.12	.4810	2.0791	.5900	.3839	.5757	.6868	33.0521	77.5254	11.7528	.1277	2.6653
3.5	2.4609	1.4336	1.12	.4810	2.0791	.6400	.4551	.6281	.7707	35.4189	74.8874	11.4183	.1330	2.6346
3.5	2.4609	1.4336	1.12	.4810	2.0791	.6900	.5119	.6811	.8481	36.5692	72.6200	11.0838	.1386	2.6038
3.5	2.4609	1.4336	1.12	.4810	2.0791	.7400	.5585	.7349	.9207	37.0441	70.5927	10.7493	.1443	2.5729
3.5	2.4609	1.4336	1.12	.4810	2.0791	.7900	.5975	.7893	.9896	37.1007	68.7365	10.4148	.1504	2.5421
3.5	2.4609	1.4336	1.12	.4810	2.0791	.8400	.6302	.8443	1.0556	36.8785	67.0099	10.0803	.1566	2.5112
3.5	2.4609	1.4336	1.12	.4810	2.0791	.8900	.6576	.9002	1.1192	36.4594	65.3858	9.7458	.1631	2.4803
3.5	2.4609	1.4336	1.12	.4810	2.0791	.9400	.6803	.9567	1.1810	35.8951	63.8453	9.4113	.1698	2.4494
3.5	2.4609	1.4336	1.12	.4810	2.0791	.9900	.6989	1.0140	1.2412	35.2190	62.3748	9.0767	.1767	2.4184
3.5	2.4609	1.4336	1.12	.4810	2.0791	1.0400	.7135	1.0721	1.3002	34.4538	60.9642	8.7422	.1839	2.3874
3.5	2.4609	1.4336	1.12	.4810	2.0791	1.0900	.7246	1.1311	1.3582	33.6151	59.6060	8.4077	.1914	2.3564
3.5	2.4609	1.4336	1.12	.4810	2.0791	1.1400	.7322	1.1909	1.4153	32.7135	58.2947	8.0732	.1990	2.3252
3.5	2.4609	1.4336	1.12	.4810	2.0791	1.1900	.7366	1.2515	1.4718	31.7566	57.0259	7.7387	.2068	2.2941
3.5	2.4609	1.4336	1.12	.4810	2.0791	1.2400	.7377	1.3131	1.5278	30.7490	55.7970	7.4042	.2149	2.2628
3.5	2.4609	1.4336	1.12	.4810	2.0791	1.2900	.7356	1.3756	1.5835	29.6938	54.6064	7.0697	.2231	2.2315
3.5	2.4609	1.4336	1.12	.4810	2.0791	1.3400	.7304	1.4390	1.6389	28.5925	53.4536	6.7352	.2314	2.2001
3.5	2.4609	1.4336	1.12	.4810	2.0791	1.3900	.7219	1.5035	1.6942	27.4451	52.3396	6.4007	.2398	2.1686
3.5	2.4609	1.4336	1.12	.4810	2.0791	1.4400	.7101	1.5691	1.7495	26.2506	51.2669	6.0662	.2482	2.1369
3.5	2.4609	1.4336	1.12	.4810	2.0791	1.4900	.6950	1.6358	1.8050	25.0067	50.2399	5.7317	.2566	2.1052
3.5	2.4609	1.4336	1.12	.4810	2.0791	1.5400	.6763	1.7037	1.8607	23.7100	49.2658	5.3972	.2648	2.0732
3.5	2.4609	1.4336	1.12	.4810	2.0791	1.5900	.6539	1.7728	1.9168	22.3556	48.3554	5.0627	.2728	2.0411
3.5	2.4609	1.4336	1.12	.4810	2.0791	1.6400	.6275	1.8432	1.9735	20.9369	47.5251	4.7282	.2804	2.0087
3.5	2.4609	1.4336	1.12	.4810	2.0791	1.6900	.5966	1.9150	2.0309	19.4454	46.7999	4.3936	.2875	1.9760
3.5	2.4609	1.4336	1.12	.4810	2.0791	1.7400	.5610	1.9884	2.0892	17.8695	46.2183	4.0591	.2939	1.9430
3.5	2.4609	1.4336	1.12	.4810	2.0791	1.7900	.5198	2.0634	2.1486	16.1940	45.8428	3.7246	.2994	1.9095
3.5	2.4609	1.4336	1.12	.4810	2.0791	1.8400	.4723	2.1402	2.2096	14.3973	45.7791	3.3901	.3036	1.8754
3.5	2.4609	1.4336	1.12	.4810	2.0791	1.8900	.4172	2.2191	2.2725	12.4481	46.2198	3.0556	.3062	1.8405
3.5	2.4609	1.4336	1.12	.4810	2.0791	1.9400	.3524	2.3004	2.3380	10.2965	47.5553	2.7211	.3070	1.8046
3.5	2.4609	1.4336	1.12	.4810	2.0791	1.9900	.2743	2.3845	2.4071	7.8484	50.7186	2.3866	.3053	1.7671
3.5	2.4609	1.4336	1.12	.4810	2.0791	2.0400	.1730	2.4723	2.4812	4.8467	58.7768	2.0521	.3008	1.7275
3.5	2.4609	1.4336	1.16	.5096	1.9621	.5100	.0217	.4921	.4926	2.4318	89.3009	12.1662	.1158	2.9230
3.5	2.4609	1.4336	1.16	.5096	1.9621	.5600	.2533	.5433	.5963	24.3344	81.6475	11.8197	.1201	2.8911
3.5	2.4609	1.4336	1.16	.5096	1.9621	.6100	.3506	.5952	.6864	29.8856	78.1786	11.4733	.1246	2.8592
3.5	2.4609	1.4336	1.16	.5096	1.9621	.6600	.4204	.6476	.7678	32.4965	75.4942	11.1268	.1293	2.8273
3.5	2.4609	1.4336	1.16	.5096	1.9621	.7100	.4751	.7006	.8430	33.7874	73.2139	10.7803	.1341	2.7953
3.5	2.4609	1.4336	1.16	.5096	1.9621	.7600	.5194	.7543	.9136	34.3491	71.1910	10.4339	.1391	2.7633
3.5	2.4609	1.4336	1.16	.5096	1.9621	.8100	.5558	.8086	.9807	34.4590	69.3503	10.0874	.1442	2.7313
3.5	2.4609	1.4336	1.16	.5096	1.9621	.8600	.5859	.8636	1.0450	34.2665	67.6479	9.7410	.1495	2.6992
3.5	2.4609	1.4336	1.16	.5096	1.9621	.9100	.6106	.9193	1.1070	33.8596	66.0553	9.3945	.1549	2.6671
3.5	2.4609	1.4336	1.16	.5096	1.9621	.9600	.6304	.9757	1.1673	33.2930	64.5535	9.0481	.1605	2.6349
3.5	2.4609	1.4336	1.16	.5096	1.9621	1.0100	.6460	1.0328	1.2260	32.6027	63.1291	8.7016	.1662	2.6027
3.5	2.4609	1.4336	1.16	.5096	1.9621	1.0600	.6576	1.0908	1.2836	31.8126	61.7726	8.3552	.1719	2.5705
3.5	2.4609	1.4336	1.16	.5096	1.9621	1.1100	.6653	1.1495	1.3401	30.9390	60.4774	8.0087	.1778	2.5381
3.5	2.4609	1.4336	1.16	.5096	1.9621	1.1600	.6695	1.2090	1.3959	29.9929	59.2395	7.6623	.1838	2.5057
3.5	2.4609	1.4336	1.16	.5096	1.9621	1.2100	.6702	1.2694	1.4511	28.9818	58.0564	7.3158	.1898	2.4732
3.5	2.4609	1.4336	1.16	.5096	1.9621	1.2600	.6674	1.3306	1.5057	27.9102	56.9280	6.9694	.1957	2.4406
3.5	2.4609	1.4336	1.16	.5096	1.9621	1.3100	.6612	1.3928	1.5601	26.7804	55.8558	6.6229	.2017	2.4079
3.5	2.4609	1.4336	1.16	.5096	1.9621	1.3600	.6514	1.4559	1.6143	25.5928	54.8441	6.2764	.2076	2.3751
3.5	2.4609	1.4336	1.16	.5096	1.9621	1.4100	.6380	1.5200	1.6684	24.3462	53.8996	5.9300	.2133	2.3421
3.5	2.4609	1.4336	1.16	.5096	1.9621	1.4600	.6209	1.5852	1.7226	23.0377	53.0334	5.5835	.2188	2.3089
3.5	2.4609	1.4336	1.16	.5096	1.9621	1.5100	.5997	1.6515	1.7770	21.6622	52.2619	5.2371	.2240	2.2755
3.5	2.4609	1.4336	1.16	.5096	1.9621	1.5600	.5744	1.7189	1.8317	20.2129	51.6095	4.8906	.2287	2.2418
3.5	2.4609	1.4336	1.16	.5096	1.9621	1.6100	.5443	1.7876	1.8870	18.6799	51.1136	4.5442	.2329	2.2078
3.5	2.4609	1.4336	1.16	.5096	1.9621	1.6600	.5091	1.8577	1.9430	17.0495	50.8324	4.1977	.2364	2.1734
3.5	2.4609	1.4336	1.16	.5096	1.9621	1.7100	.4679	1.9292	2.0001	15.3024	50.8606	3.8513	.2390	2.1385
3.5	2.4609	1.4336	1.16	.5096	1.9621	1.7600	.4196	2.0023	2.0584	13.4098	51.3617	3.5048	.2405	2.1029
3.5	2.4609	1.4336	1.16	.5096	1.9621	1.8100	.3625	2.0772	2.1185	11.3258	52.6442	3.1584	.2407	2.0665
3.5	2.4609	1.4336	1.16	.5096	1.9621	1.8600	.2934	2.1543	2.1810	8.9649	55.3731	2.8119	.2393	2.0289
3.5	2.4609	1.4336	1.16	.5096	1.9621	1.9100	.2046	2.2340	2.2467	6.1144	61.3773	2.4654	.2359	1.9896
3.5	2.4609	1.4336	1.16	.5096	1.9621	1.9600	.0397	2.3168	2.3173	1.1610	83.0299	2.1190	.2302	1.9479
3.5	2.4609	1.4336	1.20	.5410	1.8484	.5500	.1029	.5320	.5413	10.6007	86.5278	11.7576	.1152	3.1128
3.5	2.4609	1.4336	1.20	.5410	1.8484	.6000	.2582	.5835	.6352	23.2810	81.0889	11.3992	.1191	3.0797
3.5	2.4609	1.4336	1.20	.5410	1.8484	.6500	.3432	.6356	.7187	27.8365	77.8666	11.0408	.1231	3.0466
3.5	2.4609	1.4336	1.20	.5410	1.8484	.7000	.4051	.6882	.7951	30.0576	75.3221	10.6824	.1272	3.0135
3.5	2.4609	1.4336	1.20	.5410	1.8484	.7500	.4533	.7414	.8664	31.1503	73.1473	10.3240	.1314	2.9803
3.5	2.4609	1.4336	1.20	.5410	1.8484	.8000	.4920	.7953	.9337	31.5917	71.2153	9.9656	.1356	2.9471
3.5	2.4609	1.4336	1.20	.5410	1.8484	.8500	.5232	.8498	.9980	31.6159	69.4599	9.6072	.1400	2.9138
3.5	2.4609	1.4336	1.20	.5410	1.8484	.9000	.5484	.9050	1.0598	31.3533	67.8418	9.2488	.1444	2.8805
3.5	2.4609	1.4336	1.20	.5410	1.8484	.9500	.5682	.9609	1.1196	30.8819	66.3361	8.8904	.1488	2.8471
3.5	2.4609	1.4336	1.20	.5410	1.8484	1.0000	.5832	1.0175	1.1778	30.2513	64.9263	8.5320	.1533	2.8137
3.5	2.4609	1.4336	1.20	.5410	1.8484	1.0500	.5939	1.0747	1.2348	29.4938	63.6017	8.1736	.1578	2.7801
3.5	2.4609	1.4336	1.20	.5410	1.8484	1.1000	.6005	1.1328	1.2906	28.6311	62.3556	7.8152	.1623	2.7465
3.5	2.4609	1.4336	1.20	.5410	1.8484	1.1500	.6032	1.1916	1.3456	27.6776	61.1849	7.4568	.1668	2.7128
3.5	2.4609	1.4336	1.20	.5410	1.8484	1.2000	.6020	1.2513	1.3999	26.6427	60.0892	7.0984	.1712	2.6790
3.5	2.4609	1.4336	1.20	.5410	1.8484	1.2500	.5971	1.3117	1.4537	25.5319	59.0715	6.7400	.1755	2.6450
3.5	2.4609	1.4336	1.20	.5410	1.8484	1.3000	.5883	1.3731	1.5071	24.3477	58.1382	6.3816	.1796	2.6109
3.5	2.4609	1.4336	1.20	.5410	1.8484	1.3500	.5755	1.4353	1.5603	23.0900	57.3003	6.0232	.1835	2.5767
3.5	2.4609	1.4336	1.20	.5410	1.8484	1.4000	.5587	1.4986	1.6135	21.7560	56.5745	5.6648	.1871	2.5422
3.5	2.4609	1.4336	1.20	.5410	1.8484	1.4500	.5375	1.5628	1.6667	20.3402	55.9865	5.3064	.1904	2.5074
3.5	2.4609	1.4336	1.20	.5410	1.8484	1.5000	.5116	1.6281	1.7202	18.8340	55.5746	4.9480	.1932	2.4724
3.5	2.4609	1.4336	1.20	.5410	1.8484	1.5500	.4805	1.6946	1.7741	17.2241	55.3985	4.5896	.1954	2.4370
3.5	2.4609	1.4336	1.20	.5410	1.8484	1.6000	.4435	1.7623	1.8287	15.4911	55.5533	4.2312	.1969	2.4011
3.5	2.4609	1.4336	1.20	.5410	1.8484	1.6500	.3993	1.8313	1.8842	13.6048	56.2005	3.8728	.1976	2.3646
3.5	2.4609	1.4336	1.20	.5410	1.8484	1.7000	.3463	1.9018	1.9409	11.5148	57.6374	3.5144	.1972	2.3273
3.5	2.4609	1.4336	1.20	.5410	1.8484	1.7500	.2810	1.9741	1.9994	9.1236	60.4886	3.1560	.1956	2.2890
3.5	2.4609	1.4336	1.20	.5410	1.8484	1.8000	.1947	2.0484	2.0603	6.1739	66.4393	2.7976	.1926	2.2492

3.5	2.4609	1.4336	1.24	.5759	1.7364	.5800	.0656	.5618	.5654	6.4482	87.6971	11.4040	.1135	3.3152
3.5	2.4609	1.4336	1.24	.5759	1.7364	.6300	.2324	.6134	.6538	20.2456	81.6336	11.0336	.1169	3.2809
3.5	2.4609	1.4336	1.24	.5759	1.7364	.6800	.3144	.6656	.7332	24.8110	78.3892	10.6633	.1203	3.2466
3.5	2.4609	1.4336	1.24	.5759	1.7364	.7300	.3726	.7183	.8064	27.0379	75.8703	10.2929	.1238	3.2123
3.5	2.4609	1.4336	1.24	.5759	1.7364	.7800	.4171	.7716	.8750	28.1335	73.7402	9.9226	.1273	3.1778
3.5	2.4609	1.4336	1.24	.5759	1.7364	.8300	.4520	.8256	.9401	28.5699	71.8656	9.5522	.1309	3.1434
3.5	2.4609	1.4336	1.24	.5759	1.7364	.8800	.4794	.8802	1.0023	28.5793	70.1788	9.1819	.1344	3.1088
3.5	2.4609	1.4336	1.24	.5759	1.7364	.9300	.5006	.9354	1.0623	28.2911	68.6408	8.8115	.1379	3.0742
3.5	2.4609	1.4336	1.24	.5759	1.7364	.9800	.5163	.9913	1.1205	27.7831	67.2281	8.4412	.1415	3.0395
3.5	2.4609	1.4336	1.24	.5759	1.7364	1.0300	.5272	1.0479	1.1772	27.1044	65.9265	8.0708	.1449	3.0048
3.5	2.4609	1.4336	1.24	.5759	1.7364	1.0800	.5335	1.1052	1.2327	26.2867	64.7283	7.7005	.1483	2.9699
3.5	2.4609	1.4336	1.24	.5759	1.7364	1.1300	.5354	1.1633	1.2872	25.3509	63.6311	7.3301	.1516	2.9349
3.5	2.4609	1.4336	1.24	.5759	1.7364	1.1800	.5330	1.2221	1.3410	24.3101	62.6373	6.9598	.1547	2.8997
3.5	2.4609	1.4336	1.24	.5759	1.7364	1.2300	.5265	1.2817	1.3941	23.1718	61.7546	6.5894	.1576	2.8644
3.5	2.4609	1.4336	1.24	.5759	1.7364	1.2800	.5156	1.3421	1.4469	21.9391	60.9965	6.2191	.1603	2.8289
3.5	2.4609	1.4336	1.24	.5759	1.7364	1.3300	.5002	1.4034	1.4994	20.6107	60.3853	5.8488	.1627	2.7932
3.5	2.4609	1.4336	1.24	.5759	1.7364	1.3800	.4801	1.4657	1.5518	19.1816	59.9545	5.4784	.1648	2.7572
3.5	2.4609	1.4336	1.24	.5759	1.7364	1.4300	.4548	1.5289	1.6043	17.6413	59.7562	5.1081	.1664	2.7208
3.5	2.4609	1.4336	1.24	.5759	1.7364	1.4800	.4236	1.5931	1.6571	15.9730	59.8723	4.7377	.1674	2.6841
3.5	2.4609	1.4336	1.24	.5759	1.7364	1.5300	.3857	1.6585	1.7104	14.1488	60.4374	4.3674	.1678	2.6468
3.5	2.4609	1.4336	1.24	.5759	1.7364	1.5800	.3393	1.7251	1.7644	12.1216	61.6905	3.9970	.1675	2.6089
3.5	2.4609	1.4336	1.24	.5759	1.7364	1.6300	.2815	1.7931	1.8196	9.7998	64.1065	3.6267	.1663	2.5702
3.5	2.4609	1.4336	1.24	.5759	1.7364	1.6800	.2049	1.8626	1.8764	6.9548	68.8595	3.2563	.1640	2.5303
3.5	2.4609	1.4336	1.24	.5759	1.7364	1.7300	.0686	1.9339	1.9354	2.2695	81.8709	2.8860	.1605	2.4889
3.5	2.4609	1.4336	1.28	.6156	1.6245	.6200	.0633	.6019	.6050	5.8253	87.6709	10.9595	.1121	3.5167
3.5	2.4609	1.4336	1.28	.6156	1.6245	.6700	.2159	.6537	.6868	17.8642	81.8357	10.5773	.1149	3.4812
3.5	2.4609	1.4336	1.28	.6156	1.6245	.7200	.2906	.7061	.7614	21.9773	78.7078	10.1950	.1178	3.4457
3.5	2.4609	1.4336	1.28	.6156	1.6245	.7700	.3427	.7591	.8309	23.9895	76.2957	9.8127	.1207	3.4100
3.5	2.4609	1.4336	1.28	.6156	1.6245	.8200	.3816	.8126	.8963	24.9550	74.2740	9.4304	.1236	3.3743
3.5	2.4609	1.4336	1.28	.6156	1.6245	.8700	.4111	.8668	.9587	25.2946	72.5149	9.0481	.1264	3.3386
3.5	2.4609	1.4336	1.28	.6156	1.6245	.9200	.4333	.9216	1.0187	25.2190	70.9552	8.6658	.1292	3.3027
3.5	2.4609	1.4336	1.28	.6156	1.6245	.9700	.4492	.9770	1.0767	24.8466	69.5600	8.2835	.1318	3.2668
3.5	2.4609	1.4336	1.28	.6156	1.6245	1.0200	.4595	1.0331	1.1330	24.2488	68.3107	7.9012	.1344	3.2307
3.5	2.4609	1.4336	1.28	.6156	1.6245	1.0700	.4646	1.0898	1.1881	23.4705	67.1991	7.5189	.1369	3.1945
3.5	2.4609	1.4336	1.28	.6156	1.6245	1.1200	.4648	1.1473	1.2422	22.5395	66.2257	7.1366	.1391	3.1581
3.5	2.4609	1.4336	1.28	.6156	1.6245	1.1700	.4602	1.2055	1.2954	21.4729	65.3986	6.7543	.1412	3.1216
3.5	2.4609	1.4336	1.28	.6156	1.6245	1.2200	.4508	1.2645	1.3481	20.2792	64.7354	6.3720	.1430	3.0848
3.5	2.4609	1.4336	1.28	.6156	1.6245	1.2700	.4363	1.3243	1.4003	18.9600	64.2655	5.9897	.1445	3.0478
3.5	2.4609	1.4336	1.28	.6156	1.6245	1.3200	.4164	1.3849	1.4522	17.5097	64.0356	5.6074	.1457	3.0105
3.5	2.4609	1.4336	1.28	.6156	1.6245	1.3700	.3906	1.4465	1.5041	15.9144	64.1200	5.2251	.1464	2.9729
3.5	2.4609	1.4336	1.28	.6156	1.6245	1.4200	.3579	1.5090	1.5562	14.1477	64.6401	4.8428	.1466	2.9347
3.5	2.4609	1.4336	1.28	.6156	1.6245	1.4700	.3168	1.5725	1.6086	12.1615	65.8087	4.4605	.1462	2.8961
3.5	2.4609	1.4336	1.28	.6156	1.6245	1.5200	.2641	1.6372	1.6617	9.8582	68.0427	4.0783	.1452	2.8566
3.5	2.4609	1.4336	1.28	.6156	1.6245	1.5700	.1924	1.7031	1.7158	6.9868	72.3629	3.6960	.1433	2.8163
3.5	2.4609	1.4336	1.28	.6156	1.6245	1.6200	.0553	1.7705	1.7715	1.9556	84.3101	3.3137	.1405	2.7747
3.5	2.4609	1.4336	1.32	.6623	1.5099	.6700	.0761	.6524	.6566	6.4801	87.0404	10.4172	.1106	3.7166
3.5	2.4609	1.4336	1.32	.6623	1.5099	.7200	.2016	.7046	.7317	15.6447	81.9293	10.0229	.1130	3.6798
3.5	2.4609	1.4336	1.32	.6623	1.5099	.7700	.2660	.7574	.8013	19.0554	79.0289	9.6287	.1153	3.6429
3.5	2.4609	1.4336	1.32	.6623	1.5099	.8200	.3099	.8107	.8666	20.7054	76.8051	9.2344	.1175	3.6060
3.5	2.4609	1.4336	1.32	.6623	1.5099	.8700	.3416	.8646	.9288	21.4351	74.9689	8.8402	.1197	3.5690
3.5	2.4609	1.4336	1.32	.6623	1.5099	.9200	.3641	.9190	.9884	21.5928	73.4071	8.4460	.1218	3.5318
3.5	2.4609	1.4336	1.32	.6623	1.5099	.9700	.3793	.9741	1.0460	21.3566	72.0665	8.0517	.1237	3.4945
3.5	2.4609	1.4336	1.32	.6623	1.5099	1.0200	.3880	1.0299	1.1019	20.8272	70.9228	7.6575	.1255	3.4571
3.5	2.4609	1.4336	1.32	.6623	1.5099	1.0700	.3908	1.0863	1.1565	20.0644	69.9695	7.2632	.1271	3.4195
3.5	2.4609	1.4336	1.32	.6623	1.5099	1.1200	.3879	1.1434	1.2100	19.1035	69.2146	6.8690	.1285	3.3817
3.5	2.4609	1.4336	1.32	.6623	1.5099	1.1700	.3793	1.2012	1.2628	17.9629	68.6813	6.4748	.1296	3.3437
3.5	2.4609	1.4336	1.32	.6623	1.5099	1.2200	.3648	1.2598	1.3149	16.6479	68.4120	6.0805	.1305	3.3054
3.5	2.4609	1.4336	1.32	.6623	1.5099	1.2700	.3439	1.3191	1.3666	15.1503	68.4777	5.6863	.1309	3.2667
3.5	2.4609	1.4336	1.32	.6623	1.5099	1.3200	.3156	1.3793	1.4182	13.4445	68.9983	5.2920	.1310	3.2277
3.5	2.4609	1.4336	1.32	.6623	1.5099	1.3700	.2781	1.4404	1.4698	11.4750	70.1881	4.8978	.1305	3.1881
3.5	2.4609	1.4336	1.32	.6623	1.5099	1.4200	.2279	1.5025	1.5218	9.1171	72.4822	4.5036	.1295	3.1479
3.5	2.4609	1.4336	1.32	.6623	1.5099	1.4700	.1544	1.5657	1.5743	5.9965	77.0586	4.1093	.1279	3.1068
3.5	2.4609	1.4336	1.36	.7206	1.3877	.7300	.0740	.7137	.7174	5.7874	86.9316	9.7697	.1088	3.9139
3.5	2.4609	1.4336	1.36	.7206	1.3877	.7800	.1786	.7663	.7862	12.8989	82.3519	9.3635	.1106	3.8758
3.5	2.4609	1.4336	1.36	.7206	1.3877	.8300	.2316	.8195	.8508	15.5901	79.7465	8.9573	.1123	3.8376
3.5	2.4609	1.4336	1.36	.7206	1.3877	.8800	.2659	.8733	.9122	16.8109	77.8051	8.5511	.1139	3.7992
3.5	2.4609	1.4336	1.36	.7206	1.3877	.9300	.2883	.9276	.9711	17.2240	76.2725	8.1449	.1153	3.7607
3.5	2.4609	1.4336	1.36	.7206	1.3877	.9800	.3017	.9825	1.0280	17.1091	75.0561	7.7387	.1165	3.7220
3.5	2.4609	1.4336	1.36	.7206	1.3877	1.0300	.3072	1.0381	1.0833	16.6084	74.1242	7.3325	.1176	3.6831
3.5	2.4609	1.4336	1.36	.7206	1.3877	1.0800	.3056	1.0943	1.1373	15.7979	73.4797	6.9263	.1184	3.6440
3.5	2.4609	1.4336	1.36	.7206	1.3877	1.1300	.2968	1.1512	1.1902	14.7149	73.1564	6.5202	.1190	3.6047
3.5	2.4609	1.4336	1.36	.7206	1.3877	1.1800	.2804	1.2088	1.2425	13.3666	73.2263	6.1140	.1192	3.5650
3.5	2.4609	1.4336	1.36	.7206	1.3877	1.2300	.2553	1.2672	1.2942	11.7274	73.8239	5.7078	.1191	3.5250
3.5	2.4609	1.4336	1.36	.7206	1.3877	1.2800	.2192	1.3263	1.3456	9.7163	75.2121	5.3016	.1186	3.4844
3.5	2.4609	1.4336	1.36	.7206	1.3877	1.3300	.1657	1.3863	1.3971	7.1003	78.0123	4.8954	.1176	3.4433
3.5	2.4609	1.4336	1.36	.7206	1.3877	1.3800	.0620	1.4473	1.4487	2.5727	85.1465	4.4892	.1161	3.4014
3.5	2.4609	1.4336	1.40	.8035	1.2446	.8100	.0498	.7965	.7980	3.5216	87.7520	8.9262	.1066	4.0999
3.5	2.4609	1.4336	1.40	.8035	1.2446	.8600	.1377	.8498	.8606	9.0995	83.5577	8.5081	.1077	4.0603
3.5	2.4609	1.4336	1.40	.8035	1.2446	.9100	.1757	.9037	.9203	10.9299	81.4573	8.0900	.1086	4.0205
3.5	2.4609	1.4336	1.40	.8035	1.2446	.9600	.1956	.9581	.9778	11.5189	80.0903	7.6718	.1094	3.9805
3.5	2.4609	1.4336	1.40	.8035	1.2446	1.0100	.2031	1.0131	1.0334	11.3691	79.2518	7.2537	.1099	3.9402
3.5	2.4609	1.4336	1.40	.8035	1.2446	1.0600	.1997	1.0688	1.0876	10.6699	78.9204	6.8355	.1102	3.8997
3.5	2.4609	1.4336	1.40	.8035	1.2446	1.1100	.1853	1.1251	1.1407	9.4767	79.1844	6.4174	.1102	3.8589
3.5	2.4609	1.4336	1.40	.8035	1.2446	1.1600	.1573	1.1821	1.1929	7.7230	80.2954	5.9993	.1099	3.8177
3.5	2.4609	1.4336	1.40	.8035	1.2446	1.2100	.1065	1.2398	1.2446	5.0312	83.0182	5.5811	.1092	3.7761

LOOP 8RANCH (M1 FROM 1 TO 5)

GAMMA = 1.2

M1	M1*	DELMAX	DEL	XMIN	XMAX	X(M2U*)	Y(M2V*)	M2U	M2	THETA	SIGMA	PR21	PTR21	TR21
4.0	2.6018	1.4931	1.00	.3844	2.6018	.3900	.1082	.3747	.3888	15.5060	87.1993	17.3220	.0614	2.5613
4.0	2.6018	1.4931	1.00	.3844	2.6018	.4400	.3356	.4255	.5351	37.3300	81.1769	16.9530	.0650	2.5276
4.0	2.6018	1.4931	1.00	.3844	2.6018	.4900	.4566	.4770	.6520	42.9808	77.7989	16.5840	.0689	2.4940
4.0	2.6018	1.4931	1.00	.3844	2.6018	.5400	.5472	.5293	.7535	45.3800	75.1360	16.2150	.0731	2.4603
4.0	2.6018	1.4931	1.00	.3844	2.6018	.5900	.6208	.5823	.8453	46.4573	72.8506	15.8460	.0776	2.4266
4.0	2.6018	1.4931	1.00	.3844	2.6018	.6400	.6829	.6361	.9302	46.8582	70.8064	15.4771	.0824	2.3930
4.0	2.6018	1.4931	1.00	.3844	2.6018	.6900	.7365	.6906	1.0101	46.8659	68.9319	15.1081	.0876	2.3593
4.0	2.6018	1.4931	1.00	.3844	2.6018	.7400	.7832	.7460	1.0863	46.6251	67.1844	14.7391	.0932	2.3256
4.0	2.6018	1.4931	1.00	.3844	2.6018	.7900	.8243	.8023	1.1595	46.2178	65.5355	14.3701	.0992	2.2919
4.0	2.6018	1.4931	1.00	.3844	2.6018	.8400	.8606	.8594	1.2303	45.6935	63.9657	14.0012	.1056	2.2582
4.0	2.6018	1.4931	1.00	.3844	2.6018	.8900	.8926	.9174	1.2993	45.0838	62.4602	13.6322	.1125	2.2245
4.0	2.6018	1.4931	1.00	.3844	2.6018	.9400	.9208	.9764	1.3668	44.4098	61.0081	13.2632	.1200	2.1907
4.0	2.6018	1.4931	1.00	.3844	2.6018	.9900	.9456	1.0363	1.4331	43.6859	59.6007	12.8942	.1280	2.1570
4.0	2.6018	1.4931	1.00	.3844	2.6018	1.0400	.9672	1.0973	1.4985	42.9221	58.2309	12.5252	.1367	2.1232
4.0	2.6018	1.4931	1.00	.3844	2.6018	1.0900	.9858	1.1593	1.5631	42.1257	56.8930	12.1563	.1461	2.0895
4.0	2.6018	1.4931	1.00	.3844	2.6018	1.1400	1.0016	1.2224	1.6272	41.3015	55.5821	11.7873	.1562	2.0557
4.0	2.6018	1.4931	1.00	.3844	2.6018	1.1900	1.0147	1.2866	1.6909	40.4534	54.2941	11.4183	.1671	2.0219
4.0	2.6018	1.4931	1.00	.3844	2.6018	1.2400	1.0252	1.3520	1.7543	39.5839	53.0253	11.0493	.1789	1.9881
4.0	2.6018	1.4931	1.00	.3844	2.6018	1.2900	1.0333	1.4187	1.8177	38.6947	51.7724	10.6803	.1917	1.9543
4.0	2.6018	1.4931	1.00	.3844	2.6018	1.3400	1.0389	1.4866	1.8811	37.7869	50.5327	10.3114	.2055	1.9205
4.0	2.6018	1.4931	1.00	.3844	2.6018	1.3900	1.0422	1.5558	1.9446	36.8612	49.3033	9.9424	.2205	1.8866
4.0	2.6018	1.4931	1.00	.3844	2.6018	1.4400	1.0431	1.6265	2.0083	35.9177	48.0819	9.5734	.2367	1.8527
4.0	2.6018	1.4931	1.00	.3844	2.6018	1.4900	1.0416	1.6986	2.0725	34.9563	46.8660	9.2044	.2543	1.8188
4.0	2.6018	1.4931	1.00	.3844	2.6018	1.5400	1.0378	1.7722	2.1371	33.9765	45.6536	8.8354	.2733	1.7849
4.0	2.6018	1.4931	1.00	.3844	2.6018	1.5900	1.0317	1.8474	2.2022	32.9774	44.4423	8.4665	.2939	1.7509
4.0	2.6018	1.4931	1.00	.3844	2.6018	1.6400	1.0231	1.9243	2.2680	31.9579	43.2300	8.0975	.3162	1.7169
4.0	2.6018	1.4931	1.00	.3844	2.6018	1.6900	1.0121	2.0029	2.3346	30.9167	42.0145	7.7285	.3403	1.6828
4.0	2.6018	1.4931	1.00	.3844	2.6018	1.7400	.9986	2.0834	2.4021	29.8519	40.7936	7.3595	.3665	1.6487
4.0	2.6018	1.4931	1.00	.3844	2.6018	1.7900	.9825	2.1658	2.4706	28.7614	39.5650	6.9906	.3947	1.6145
4.0	2.6018	1.4931	1.00	.3844	2.6018	1.8400	.9637	2.2503	2.5403	27.6426	38.3261	6.6216	.4252	1.5803
4.0	2.6018	1.4931	1.00	.3844	2.6018	1.8900	.9420	2.3370	2.6112	26.4925	37.0744	6.2526	.4580	1.5459
4.0	2.6018	1.4931	1.00	.3844	2.6018	1.9400	.9173	2.4260	2.6835	25.3074	35.8070	5.8836	.4934	1.5115
4.0	2.6018	1.4931	1.00	.3844	2.6018	1.9900	.8895	2.5174	2.7574	24.0828	34.5206	5.5146	.5312	1.4770
4.0	2.6018	1.4931	1.00	.3844	2.6018	2.0400	.8581	2.6115	2.8331	22.8135	33.2117	5.1457	.5716	1.4423
4.0	2.6018	1.4931	1.00	.3844	2.6018	2.0900	.8230	2.7084	2.9108	21.4927	31.8761	4.7767	.6145	1.4075
4.0	2.6018	1.4931	1.00	.3844	2.6018	2.1400	.7837	2.8084	2.9908	20.1124	30.5090	4.4077	.6597	1.3724
4.0	2.6018	1.4931	1.00	.3844	2.6018	2.1900	.7397	2.9118	3.0734	18.6623	29.1048	4.0387	.7069	1.3371
4.0	2.6018	1.4931	1.00	.3844	2.6018	2.2400	.6904	3.0188	3.1589	17.1289	27.6565	3.6697	.7555	1.3014
4.0	2.6018	1.4931	1.00	.3844	2.6018	2.2900	.6348	3.1300	3.2480	15.4948	26.1557	3.3008	.8047	1.2652
4.0	2.6018	1.4931	1.00	.3844	2.6018	2.3400	.5720	3.2459	3.3414	13.7361	24.5913	2.9318	.8531	1.2284
4.0	2.6018	1.4931	1.00	.3844	2.6018	2.3900	.5001	3.3673	3.4402	11.8193	22.9494	2.5628	.8991	1.1907
4.0	2.6018	1.4931	1.00	.3844	2.6018	2.4400	.4169	3.4955	3.5461	9.6949	21.2105	2.1938	.9400	1.1517
4.0	2.6018	1.4931	1.00	.3844	2.6018	2.4900	.3183	3.6326	3.6622	7.2854	19.3475	1.8248	.9726	1.1106
4.0	2.6018	1.4931	1.00	.3844	2.6018	2.5400	.1981	3.7826	3.7941	4.4598	17.3187	1.4559	.9933	1.0658
4.0	2.6018	1.4931	1.00	.3844	2.6018	2.5900	.0438	3.9543	3.9549	.9682	15.0562	1.0869	.9999	1.0140
4.0	2.6018	1.4931	1.04	.4056	2.4657	.4100	.0924	.3941	.4040	12.7040	87.5284	17.0533	.0608	2.7670
4.0	2.6018	1.4931	1.04	.4056	2.4657	.4600	.3195	.4450	.5418	34.7825	81.3136	16.6696	.0642	2.7320
4.0	2.6018	1.4931	1.04	.4056	2.4657	.5100	.4366	.4965	.6537	40.5680	77.9262	16.2859	.0678	2.6969
4.0	2.6018	1.4931	1.04	.4056	2.4657	.5600	.5237	.5488	.7514	43.0804	75.2655	15.9021	.0716	2.6619
4.0	2.6018	1.4931	1.04	.4056	2.4657	.6100	.5940	.6018	.8400	44.2398	72.9859	15.5184	.0756	2.6268
4.0	2.6018	1.4931	1.04	.4056	2.4657	.6600	.6531	.6555	.9222	44.6984	70.9492	15.1347	.0799	2.5918
4.0	2.6018	1.4931	1.04	.4056	2.4657	.7100	.7037	.7100	.9996	44.7454	69.0834	14.7509	.0846	2.5567
4.0	2.6018	1.4931	1.04	.4056	2.4657	.7600	.7476	.7652	1.0734	44.5300	67.3453	14.3672	.0895	2.5216
4.0	2.6018	1.4931	1.04	.4056	2.4657	.8100	.7860	.8213	1.1444	44.1370	65.7068	13.9834	.0947	2.4865
4.0	2.6018	1.4931	1.04	.4056	2.4657	.8600	.8195	.8782	1.2131	43.6181	64.1478	13.5997	.1003	2.4514
4.0	2.6018	1.4931	1.04	.4056	2.4657	.9100	.8488	.9360	1.2800	43.0064	62.6541	13.2160	.1063	2.4163
4.0	2.6018	1.4931	1.04	.4056	2.4657	.9600	.8743	.9947	1.3454	42.3242	61.2145	12.8322	.1127	2.3811
4.0	2.6018	1.4931	1.04	.4056	2.4657	1.0100	.8963	1.0543	1.4096	41.5865	59.8205	12.4485	.1196	2.3460
4.0	2.6018	1.4931	1.04	.4056	2.4657	1.0600	.9151	1.1149	1.4729	40.8038	58.4651	12.0648	.1269	2.3108
4.0	2.6018	1.4931	1.04	.4056	2.4657	1.1100	.9309	1.1765	1.5355	39.9839	57.1426	11.6810	.1347	2.2756
4.0	2.6018	1.4931	1.04	.4056	2.4657	1.1600	.9438	1.2391	1.5974	39.1319	55.8483	11.2973	.1430	2.2404
4.0	2.6018	1.4931	1.04	.4056	2.4657	1.2100	.9539	1.3028	1.6590	38.2516	54.5783	10.9135	.1519	2.2052
4.0	2.6018	1.4931	1.04	.4056	2.4657	1.2600	.9615	1.3676	1.7203	37.3457	53.3290	10.5298	.1615	2.1700
4.0	2.6018	1.4931	1.04	.4056	2.4657	1.3100	.9664	1.4336	1.7815	36.4159	52.0975	10.1461	.1717	2.1347
4.0	2.6018	1.4931	1.04	.4056	2.4657	1.3600	.9688	1.5008	1.8426	35.4631	50.8810	9.7623	.1826	2.0994
4.0	2.6018	1.4931	1.04	.4056	2.4657	1.4100	.9686	1.5692	1.9038	34.4879	49.6773	9.3786	.1942	2.0640
4.0	2.6018	1.4931	1.04	.4056	2.4657	1.4600	.9660	1.6390	1.9652	33.4901	48.4843	8.9948	.2066	2.0287
4.0	2.6018	1.4931	1.04	.4056	2.4657	1.5100	.9608	1.7101	2.0270	32.4692	47.3001	8.6111	.2198	1.9932
4.0	2.6018	1.4931	1.04	.4056	2.4657	1.5600	.9531	1.7827	2.0891	31.4243	46.1230	8.2274	.2339	1.9578
4.0	2.6018	1.4931	1.04	.4056	2.4657	1.6100	.9428	1.8567	2.1517	30.3540	44.9516	7.8436	.2489	1.9222
4.0	2.6018	1.4931	1.04	.4056	2.4657	1.6600	.9299	1.9324	2.2149	29.2564	43.7845	7.4599	.2649	1.8866
4.0	2.6018	1.4931	1.04	.4056	2.4657	1.7100	.9142	2.0097	2.2788	28.1295	42.6208	7.0762	.2817	1.8510
4.0	2.6018	1.4931	1.04	.4056	2.4657	1.7600	.8956	2.0887	2.3436	26.9703	41.4597	6.6924	.2995	1.8152
4.0	2.6018	1.4931	1.04	.4056	2.4657	1.8100	.8740	2.1696	2.4093	25.7754	40.3007	6.3087	.3183	1.7793
4.0	2.6018	1.4931	1.04	.4056	2.4657	1.8600	.8492	2.2524	2.4761	24.5407	39.1441	5.9249	.3379	1.7433
4.0	2.6018	1.4931	1.04	.4056	2.4657	1.9100	.8210	2.3373	2.5441	23.2611	37.9907	5.5412	.3584	1.7072
4.0	2.6018	1.4931	1.04	.4056	2.4657	1.9600	.7891	2.4244	2.6136	21.9303	36.8426	5.1575	.3795	1.6709
4.0	2.6018	1.4931	1.04	.4056	2.4657	2.0100	.7531	2.5139	2.6846	20.5405	35.7037	4.7737	.4011	1.6343
4.0	2.6018	1.4931	1.04	.4056	2.4657	2.0600	.7126	2.6060	2.7575	19.0819	34.5811	4.3900	.4229	1.5975
4.0	2.6018	1.4931	1.04	.4056	2.4657	2.1100	.6670	2.7009	2.8326	17.5420	33.4872	4.0063	.4446	1.5602
4.0	2.6018	1.4931	1.04	.4056	2.4657	2.1600	.6155	2.7989	2.9103	15.9041	32.4443	3.6225	.4656	1.5226
4.0	2.6018	1.4931	1.04	.4056	2.4657	2.2100	.5570	2.9005	2.9912	14.1459	31.4942	3.2388	.4851	1.4842
4.0	2.6018	1.4931	1.04	.4056	2.4657	2.2600	.4901	3.0061	3.0760	12.2361	30.7206	2.8550	.5021	1.4450
4.0	2.6018	1.4931	1.04	.4056	2.4657	2.3100	.4127	3.1166	3.1660	10.1285	30.3115	2.4713	.5156	1.4044
4.0	2.6018	1.4931	1.04	.4056	2.4657	2.3600	.3212	3.2334	3.2632	7.7496	30.7732	2.0876	.5238	1.3619
4.0	2.6018	1.4931	1.04	.4056	2.4657	2.4100	.2093	3.3589	3.3715	4.9628	34.0176	1.7038	.5249	1.3161
4.0	2.6018	1.4931	1.04	.4056	2.4657	2.4600	.0516	3.4980	3.4988	1.2018	60.5093	1.3201	.5173	1.2644

4.0	2.6018	1.4931	1.08	.4279	2.3370	.4300	.0613	.4136	.4177	8.1169	88.3060	16.7729	.0602	2.9806
4.0	2.6018	1.4931	1.08	.4279	2.3370	.4800	.3006	.4645	.5480	32.0563	81.5507	16.3744	.0633	2.9442
4.0	2.6018	1.4931	1.08	.4279	2.3370	.5300	.4147	.5161	.6553	38.0423	78.1329	15.9759	.0666	2.9078
4.0	2.6018	1.4931	1.08	.4279	2.3370	.5800	.4987	.5683	.7495	40.6871	75.4669	15.5774	.0700	2.8713
4.0	2.6018	1.4931	1.08	.4279	2.3370	.6300	.5660	.6213	.8352	41.9371	73.1904	15.1789	.0736	2.8349
4.0	2.6018	1.4931	1.08	.4279	2.3370	.6800	.6222	.6749	.9148	42.4577	71.1609	14.7804	.0775	2.7984
4.0	2.6018	1.4931	1.08	.4279	2.3370	.7300	.6700	.7293	.9900	42.5462	69.3048	14.3819	.0816	2.7620
4.0	2.6018	1.4931	1.08	.4279	2.3370	.7800	.7112	.7845	1.0616	42.3569	67.5783	13.9834	.0859	2.7255
4.0	2.6018	1.4931	1.08	.4279	2.3370	.8300	.7468	.8404	1.1305	41.9782	65.9530	13.5849	.0905	2.6890
4.0	2.6018	1.4931	1.08	.4279	2.3370	.8800	.7776	.8972	1.1972	41.4639	64.4089	13.1864	.0954	2.6525
4.0	2.6018	1.4931	1.08	.4279	2.3370	.9300	.8041	.9547	1.2622	40.8490	62.9314	12.7880	.1005	2.6159
4.0	2.6018	1.4931	1.08	.4279	2.3370	.9800	.8269	1.0132	1.3256	40.1565	61.5098	12.3895	.1059	2.5794
4.0	2.6018	1.4931	1.08	.4279	2.3370	1.0300	.8461	1.0725	1.3880	39.4023	60.1355	11.9910	.1117	2.5428
4.0	2.6018	1.4931	1.08	.4279	2.3370	1.0800	.8621	1.1327	1.4494	38.5978	58.8016	11.5925	.1178	2.5062
4.0	2.6018	1.4931	1.08	.4279	2.3370	1.1300	.8750	1.1939	1.5100	37.7506	57.5029	11.1940	.1243	2.4695
4.0	2.6018	1.4931	1.08	.4279	2.3370	1.1800	.8849	1.2561	1.5701	36.8663	56.2348	10.7955	.1311	2.4329
4.0	2.6018	1.4931	1.08	.4279	2.3370	1.2300	.8920	1.3193	1.6297	35.9487	54.9936	10.3970	.1383	2.3962
4.0	2.6018	1.4931	1.08	.4279	2.3370	1.2800	.8963	1.3836	1.6891	35.0006	53.7764	9.9985	.1459	2.3595
4.0	2.6018	1.4931	1.08	.4279	2.3370	1.3300	.8979	1.4490	1.7483	34.0233	52.5806	9.6000	.1540	2.3227
4.0	2.6018	1.4931	1.08	.4279	2.3370	1.3800	.8968	1.5155	1.8074	33.0178	51.4042	9.2015	.1624	2.2859
4.0	2.6018	1.4931	1.08	.4279	2.3370	1.4300	.8930	1.5833	1.8666	31.9840	50.2456	8.8030	.1713	2.2490
4.0	2.6018	1.4931	1.08	.4279	2.3370	1.4800	.8865	1.6522	1.9260	30.9215	49.1038	8.4045	.1806	2.2121
4.0	2.6018	1.4931	1.08	.4279	2.3370	1.5300	.8773	1.7225	1.9856	29.8292	47.9780	8.0060	.1904	2.1751
4.0	2.6018	1.4931	1.08	.4279	2.3370	1.5800	.8652	1.7942	2.0456	28.7053	46.8681	7.6075	.2006	2.1380
4.0	2.6018	1.4931	1.08	.4279	2.3370	1.6300	.8502	1.8673	2.1060	27.5477	45.7747	7.2090	.2112	2.1008
4.0	2.6018	1.4931	1.08	.4279	2.3370	1.6800	.8323	1.9418	2.1671	26.3533	44.6992	6.8105	.2221	2.0636
4.0	2.6018	1.4931	1.08	.4279	2.3370	1.7300	.8111	2.0180	2.2288	25.1184	43.6440	6.4120	.2334	2.0262
4.0	2.6018	1.4931	1.08	.4279	2.3370	1.7800	.7865	2.0959	2.2913	23.8384	42.6133	6.0135	.2449	1.9886
4.0	2.6018	1.4931	1.08	.4279	2.3370	1.8300	.7583	2.1755	2.3548	22.5075	41.6134	5.6150	.2565	1.9508
4.0	2.6018	1.4931	1.08	.4279	2.3370	1.8800	.7261	2.2570	2.4195	21.1184	40.6542	5.2165	.2681	1.9129
4.0	2.6018	1.4931	1.08	.4279	2.3370	1.9300	.6896	2.3405	2.4855	19.6620	39.7513	4.8180	.2796	1.8746
4.0	2.6018	1.4931	1.08	.4279	2.3370	1.9800	.6482	2.4263	2.5530	18.1265	38.9292	4.4195	.2906	1.8360
4.0	2.6018	1.4931	1.08	.4279	2.3370	2.0300	.6012	2.5145	2.6224	16.4963	38.2285	4.0210	.3008	1.7969
4.0	2.6018	1.4931	1.08	.4279	2.3370	2.0800	.5476	2.6054	2.6941	14.7505	37.7195	3.6225	.3099	1.7572
4.0	2.6018	1.4931	1.08	.4279	2.3370	2.1300	.4862	2.6993	2.7687	12.8593	37.5334	3.2240	.3172	1.7167
4.0	2.6018	1.4931	1.08	.4279	2.3370	2.1800	.4150	2.7969	2.8471	10.7784	37.9416	2.8255	.3222	1.6749
4.0	2.6018	1.4931	1.08	.4279	2.3370	2.2300	.3306	2.8988	2.9305	8.4338	39.6027	2.4270	.3241	1.6315
4.0	2.6018	1.4931	1.08	.4279	2.3370	2.2800	.2264	3.0067	3.0215	5.6714	44.6349	2.0285	.3218	1.5853
4.0	2.6018	1.4931	1.08	.4279	2.3370	2.3300	.0700	3.1230	3.1244	1.7214	68.0278	1.6300	.3143	1.5346
4.0	2.6018	1.4931	1.12	.4515	2.2146	.4600	.1177	.4432	.4574	14.3572	86.6283	16.3980	.0601	3.1946
4.0	2.6018	1.4931	1.12	.4515	2.2146	.5100	.3048	.4943	.5758	30.8630	81.1097	15.9848	.0629	3.1568
4.0	2.6018	1.4931	1.12	.4515	2.2146	.5600	.4086	.5460	.6759	36.1169	77.8533	15.5715	.0659	3.1190
4.0	2.6018	1.4931	1.12	.4515	2.2146	.6100	.4859	.5984	.7650	38.5384	75.2724	15.1583	.0690	3.0811
4.0	2.6018	1.4931	1.12	.4515	2.2146	.6600	.5480	.6515	.8467	39.7005	73.0550	14.7450	.0723	3.0433
4.0	2.6018	1.4931	1.12	.4515	2.2146	.7100	.5996	.7052	.9230	40.1796	71.0726	14.3318	.0758	3.0054
4.0	2.6018	1.4931	1.12	.4515	2.2146	.7600	.6432	.7597	.9952	40.2436	69.2571	13.9185	.0794	2.9675
4.0	2.6018	1.4931	1.12	.4515	2.2146	.8100	.6805	.8149	1.0643	40.0353	67.5679	13.5052	.0832	2.9296
4.0	2.6018	1.4931	1.12	.4515	2.2146	.8600	.7124	.8708	1.1308	39.6379	65.9779	13.0920	.0872	2.8917
4.0	2.6018	1.4931	1.12	.4515	2.2146	.9100	.7396	.9276	1.1953	39.1030	64.4685	12.6787	.0915	2.8537
4.0	2.6018	1.4931	1.12	.4515	2.2146	.9600	.7626	.9851	1.2581	38.4641	63.0261	12.2655	.0959	2.8157
4.0	2.6018	1.4931	1.12	.4515	2.2146	1.0100	.7819	1.0435	1.3196	37.7440	61.6403	11.8522	.1005	2.7777
4.0	2.6018	1.4931	1.12	.4515	2.2146	1.0600	.7975	1.1027	1.3800	36.9580	60.3035	11.4390	.1054	2.7397
4.0	2.6018	1.4931	1.12	.4515	2.2146	1.1100	.8099	1.1628	1.4395	36.1170	59.0093	11.0257	.1105	2.7016
4.0	2.6018	1.4931	1.12	.4515	2.2146	1.1600	.8192	1.2239	1.4983	35.2287	57.7532	10.6125	.1158	2.6635
4.0	2.6018	1.4931	1.12	.4515	2.2146	1.2100	.8253	1.2859	1.5565	34.2982	56.5313	10.1992	.1213	2.6254
4.0	2.6018	1.4931	1.12	.4515	2.2146	1.2600	.8286	1.3489	1.6144	33.3291	55.3408	9.7859	.1271	2.5872
4.0	2.6018	1.4931	1.12	.4515	2.2146	1.3100	.8289	1.4129	1.6720	32.3236	54.1797	9.3727	.1332	2.5489
4.0	2.6018	1.4931	1.12	.4515	2.2146	1.3600	.8263	1.4779	1.7294	31.2828	53.0468	8.9594	.1394	2.5106
4.0	2.6018	1.4931	1.12	.4515	2.2146	1.4100	.8209	1.5441	1.7867	30.2067	51.9415	8.5462	.1458	2.4722
4.0	2.6018	1.4931	1.12	.4515	2.2146	1.4600	.8125	1.6115	1.8442	29.0948	50.8642	8.1329	.1525	2.4337
4.0	2.6018	1.4931	1.12	.4515	2.2146	1.5100	.8010	1.6800	1.9018	27.9456	49.8161	7.7197	.1593	2.3952
4.0	2.6018	1.4931	1.12	.4515	2.2146	1.5600	.7865	1.7499	1.9597	26.7567	48.7999	7.3064	.1662	2.3565
4.0	2.6018	1.4931	1.12	.4515	2.2146	1.6100	.7688	1.8210	2.0180	25.5251	47.8196	6.8931	.1733	2.3177
4.0	2.6018	1.4931	1.12	.4515	2.2146	1.6600	.7477	1.8935	2.0767	24.2465	46.8816	6.4799	.1803	2.2787
4.0	2.6018	1.4931	1.12	.4515	2.2146	1.7100	.7229	1.9676	2.1361	22.9157	45.9953	6.0666	.1873	2.2395
4.0	2.6018	1.4931	1.12	.4515	2.2146	1.7600	.6942	2.0431	2.1963	21.5258	45.1748	5.6534	.1942	2.2001
4.0	2.6018	1.4931	1.12	.4515	2.2146	1.8100	.6612	2.1204	2.2574	20.0680	44.4413	5.2401	.2008	2.1605
4.0	2.6018	1.4931	1.12	.4515	2.2146	1.8600	.6235	2.1994	2.3197	18.5308	43.8274	4.8269	.2069	2.1204
4.0	2.6018	1.4931	1.12	.4515	2.2146	1.9100	.5803	2.2804	2.3833	16.8990	43.3851	4.4136	.2124	2.0800
4.0	2.6018	1.4931	1.12	.4515	2.2146	1.9600	.5308	2.3636	2.4487	15.1519	43.2020	4.0003	.2169	2.0389
4.0	2.6018	1.4931	1.12	.4515	2.2146	2.0100	.4736	2.4491	2.5162	13.2594	43.4348	3.5871	.2203	1.9971
4.0	2.6018	1.4931	1.12	.4515	2.2146	2.0600	.4070	2.5375	2.5865	11.1754	44.3936	3.1738	.2221	1.9541
4.0	2.6018	1.4931	1.12	.4515	2.2146	2.1100	.3273	2.6291	2.6606	8.8186	46.7884	2.7606	.2218	1.9096
4.0	2.6018	1.4931	1.12	.4515	2.2146	2.1600	.2271	2.7251	2.7401	6.0028	52.7270	2.3473	.2189	1.8628
4.0	2.6018	1.4931	1.12	.4515	2.2146	2.2100	.0614	2.8268	2.8279	1.5911	76.1210	1.9341	.2127	1.8122
4.0	2.6018	1.4931	1.16	.4768	2.0975	.4800	.0699	.4626	.4675	8.2853	87.9320	16.0911	.0593	3.4237
4.0	2.6018	1.4931	1.16	.4768	2.0975	.5300	.2787	.5138	.5805	27.7375	81.5928	15.6630	.0619	3.3845
4.0	2.6018	1.4931	1.16	.4768	2.0975	.5800	.3815	.5655	.6769	33.3326	78.2609	15.2350	.0645	3.3453
4.0	2.6018	1.4931	1.16	.4768	2.0975	.6300	.4565	.6179	.7631	35.9283	75.6593	14.8070	.0673	3.3060
4.0	2.6018	1.4931	1.16	.4768	2.0975	.6800	.5161	.6710	.8423	37.1980	73.4401	14.3790	.0702	3.2668
4.0	2.6018	1.4931	1.16	.4768	2.0975	.7300	.5652	.7247	.9165	37.7464	71.4655	13.9510	.0733	3.2275
4.0	2.6018	1.4931	1.16	.4768	2.0975	.7800	.6062	.7791	.9867	37.8544	69.6643	13.5230	.0764	3.1882
4.0	2.6018	1.4931	1.16	.4768	2.0975	.8300	.6408	.8342	1.0539	37.6719	67.9942	13.0949	.0797	3.1488
4.0	2.6018	1.4931	1.16	.4768	2.0975	.8800	.6700	.8900	1.1186	37.2861	66.4276	12.6669	.0832	3.1095
4.0	2.6018	1.4931	1.16	.4768	2.0975	.9300	.6945	.9466	1.1814	36.7515	64.9457	12.2389	.0868	3.0701
4.0	2.6018	1.4931	1.16	.4768	2.0975	.9800	.7147	1.0039	1.2426	36.1033	63.5349	11.8109	.0905	3.0306
4.0	2.6018	1.4931	1.16	.4768	2.0975	1.0300	.7310	1.0621	1.3024	35.3653	62.1854	11.3829	.0943	2.9912
4.0	2.6018	1.4931	1.16	.4768	2.0975	1.0800	.7438	1.1211	1.3612	34.5536	60.8896	10.9549	.0983	2.9516
4.0	2.6018	1.4931	1.16	.4768	2.0975	1.1300	.7530	1.1809	1.4191	33.6797	59.6422	10.5268	.1025	2.9121
4.0	2.6018	1.4931	1.16	.4768	2.0975	1.1800	.7590	1.2417	1.4764	32.7512	58.4392	10.0988	.1067	2.8725
4.0	2.6018	1.4931	1.16	.4768	2.0975	1.2300	.7618	1.3033	1.5331	31.7734	57.2780	9.6708	.1111	2.8328
4.0	2.6018	1.4931	1.16	.4768	2.0975	1.2800	.7615	1.3659	1.5894	30.7495	56.1572	9.2428	.1156	2.7930
4.0	2.6018	1.4931	1.16	.4768	2.0975	1.3300	.7580	1.4295	1.6454	29.6814	55.0766	8.8148	.1201	2.7532
4.0	2.6018	1.4931	1.16	.4768	2.0975	1.3800	.7514	1.4941	1.7013	28.5694	54.0372	8.3868	.1248	2.7133
4.0	2.6018	1.4931	1.16	.4768	2.0975	1.4300	.7417	1.5598	1.7571	27.4129	53.0415	7.9588	.1295	2.6732
4.0	2.6018	1.4931	1.16	.4768	2.0975	1.4800	.7286	1.6266	1.8130	26.2101	52.0939	7.5307	.1341	2.6331
4.0	2.6018	1.4931	1.16	.4768	2.0975	1.5300	.7121	1.6946	1.8691	24.9578	51.2012	7.1027	.1388	2.5928
4.0	2.6018	1.4931	1.16	.4768	2.0975	1.5800	.6920	1.7638	1.9255	23.6520	50.3734	6.6747	.1433	2.5523
4.0	2.6018	1.4931	1.16	.4768	2.0975	1.6300	.6681	1.8343	1.9824	22.2868	49.6253	6.2467	.1477	2.5116
4.0	2.6018	1.4931	1.16	.4768	2.0975	1.6800	.6400	1.9061	2.0398	20.8546	48.9787	5.8187	.1519	2.4706
4.0	2.6018	1.4931	1.16	.4768	2.0975	1.7300	.6074	1.9795	2.0979	19.3451	48.4662	5.3907	.1557	2.4293
4.0	2.6018	1.4931	1.16	.4768	2.0975	1.7800	.5696	2.0544	2.1570	17.7446	48.1385	4.9626	.1590	2.3877
4.0	2.6018	1.4931	1.16	.4768	2.0975	1.8300	.5259	2.1310	2.2173	16.0344	48.0770	4.5346	.1617	2.3455
4.0	2.6018	1.4931	1.16	.4768	2.0975	1.8800	.4753	2.2095	2.2790	14.1870	48.4208	4.1066	.1636	2.3026
4.0	2.6018	1.4931	1.16	.4768	2.0975	1.9300	.4159	2.2901	2.3427	12.1603	49.4274	3.6786	.1644	2.2588
4.0	2.6018	1.4931	1.16	.4768	2.0975	1.9800	.3449	2.3732	2.4090	9.8812	51.6345	3.2506	.1639	2.2138
4.0	2.6018	1.4931	1.16	.4768	2.0975	2.0300	.2561	2.4593	2.4788	7.1896	56.4182	2.8226	.1618	2.1670
4.0	2.6018	1.4931	1.16	.4768	2.0975	2.0800	.1254	2.5492	2.5538	3.4507	69.5131	2.3946	.1577	2.1175

4.0	2.6018	1.4931	1.20	.5039	1.9845	.5100	.0916	.4923	.5002	10.1768	87.1898	15.6837	.0589	3.6526
4.0	2.6018	1.4931	1.20	.5039	1.9845	.5600	.2725	.5436	.6045	25.9453	81.4629	15.2409	.0612	3.6120
4.0	2.6018	1.4931	1.20	.5039	1.9845	.6100	.3676	.5955	.6953	31.0772	78.2343	14.7981	.0636	3.5713
4.0	2.6018	1.4931	1.20	.5039	1.9845	.6600	.4372	.6480	.7773	33.5223	75.6986	14.3554	.0661	3.5307
4.0	2.6018	1.4931	1.20	.5039	1.9845	.7100	.4922	.7012	.8531	34.7294	73.5334	13.9126	.0687	3.4900
4.0	2.6018	1.4931	1.20	.5039	1.9845	.7600	.5370	.7550	.9244	35.2450	71.6081	13.4698	.0713	3.4493
4.0	2.6018	1.4931	1.20	.5039	1.9845	.8100	.5741	.8094	.9921	35.3296	69.8548	13.0270	.0741	3.4085
4.0	2.6018	1.4931	1.20	.5039	1.9845	.8600	.6050	.8646	1.0571	35.1247	68.2332	12.5843	.0769	3.3677
4.0	2.6018	1.4931	1.20	.5039	1.9845	.9100	.6304	.9204	1.1198	34.7142	66.7171	12.1415	.0798	3.3269
4.0	2.6018	1.4931	1.20	.5039	1.9845	.9600	.6512	.9770	1.1806	34.1504	65.2888	11.6987	.0829	3.2860
4.0	2.6018	1.4931	1.20	.5039	1.9845	1.0100	.6677	1.0344	1.2400	33.4677	63.9360	11.2560	.0859	3.2451
4.0	2.6018	1.4931	1.20	.5039	1.9845	1.0600	.6802	1.0925	1.2981	32.6892	62.6498	10.8132	.0891	3.2041
4.0	2.6018	1.4931	1.20	.5039	1.9845	1.1100	.6891	1.1514	1.3553	31.8307	61.4243	10.3704	.0923	3.1630
4.0	2.6018	1.4931	1.20	.5039	1.9845	1.1600	.6943	1.2112	1.4116	30.9028	60.2556	9.9276	.0956	3.1219
4.0	2.6018	1.4931	1.20	.5039	1.9845	1.2100	.6961	1.2718	1.4673	29.9127	59.1418	9.4849	.0989	3.0807
4.0	2.6018	1.4931	1.20	.5039	1.9845	1.2600	.6945	1.3334	1.5225	28.8648	58.0827	9.0421	.1023	3.0394
4.0	2.6018	1.4931	1.20	.5039	1.9845	1.3100	.6896	1.3958	1.5774	27.7616	57.0800	8.5993	.1056	2.9981
4.0	2.6018	1.4931	1.20	.5039	1.9845	1.3600	.6811	1.4592	1.6320	26.6035	56.1376	8.1565	.1089	2.9566
4.0	2.6018	1.4931	1.20	.5039	1.9845	1.4100	.6692	1.5236	1.6865	25.3896	55.2621	7.7138	.1121	2.9149
4.0	2.6018	1.4931	1.20	.5039	1.9845	1.4600	.6536	1.5891	1.7411	24.1170	54.4633	7.2710	.1153	2.8731
4.0	2.6018	1.4931	1.20	.5039	1.9845	1.5100	.6342	1.6557	1.7958	22.7813	53.7560	6.8282	.1182	2.8311
4.0	2.6018	1.4931	1.20	.5039	1.9845	1.5600	.6106	1.7234	1.8507	21.3761	53.1619	6.3854	.1210	2.7888
4.0	2.6018	1.4931	1.20	.5039	1.9845	1.6100	.5826	1.7924	1.9061	19.8922	52.7130	5.9427	.1235	2.7462
4.0	2.6018	1.4931	1.20	.5039	1.9845	1.6600	.5495	1.8627	1.9621	18.3171	52.4577	5.4999	.1256	2.7033
4.0	2.6018	1.4931	1.20	.5039	1.9845	1.7100	.5108	1.9343	2.0188	16.6330	52.4725	5.0571	.1273	2.6599
4.0	2.6018	1.4931	1.20	.5039	1.9845	1.7600	.4655	2.0076	2.0766	14.8139	52.8833	4.6143	.1284	2.6159
4.0	2.6018	1.4931	1.20	.5039	1.9845	1.8100	.4119	2.0825	2.1357	12.8192	53.9137	4.1716	.1287	2.5712
4.0	2.6018	1.4931	1.20	.5039	1.9845	1.8600	.3474	2.1593	2.1967	10.5783	56.0051	3.7288	.1282	2.5254
4.0	2.6018	1.4931	1.20	.5039	1.9845	1.9100	.2664	2.2384	2.2601	7.9396	60.1979	3.2860	.1265	2.4782
4.0	2.6018	1.4931	1.20	.5039	1.9845	1.9600	.1498	2.3202	2.3270	4.3718	70.1507	2.8432	.1235	2.4288
4.0	2.6018	1.4931	1.24	.5334	1.8748	.5400	.0905	.5220	.5293	9.5105	87.1171	15.2586	.0583	3.8888
4.0	2.6018	1.4931	1.24	.5334	1.8748	.5900	.2596	.5735	.6265	23.7494	81.5453	14.8011	.0604	3.8468
4.0	2.6018	1.4931	1.24	.5334	1.8748	.6400	.3488	.6255	.7124	28.5922	78.3809	14.3436	.0625	3.8047
4.0	2.6018	1.4931	1.24	.5334	1.8748	.6900	.4136	.6781	.7906	30.9386	75.8992	13.8860	.0647	3.7626
4.0	2.6018	1.4931	1.24	.5334	1.8748	.7400	.4642	.7314	.8634	32.1026	73.7857	13.4285	.0669	3.7204
4.0	2.6018	1.4931	1.24	.5334	1.8748	.7900	.5051	.7853	.9320	32.5924	71.9128	12.9710	.0692	3.6782
4.0	2.6018	1.4931	1.24	.5334	1.8748	.8400	.5383	.8398	.9975	32.6547	70.2145	12.5134	.0716	3.6360
4.0	2.6018	1.4931	1.24	.5334	1.8748	.8900	.5654	.8950	1.0603	32.4251	68.6517	12.0559	.0740	3.5937
4.0	2.6018	1.4931	1.24	.5334	1.8748	.9400	.5870	.9509	1.1211	31.9849	67.1996	11.5984	.0764	3.5514
4.0	2.6018	1.4931	1.24	.5334	1.8748	.9900	.6039	1.0075	1.1802	31.3850	65.8418	11.1408	.0789	3.5090
4.0	2.6018	1.4931	1.24	.5334	1.8748	1.0400	.6165	1.0649	1.2379	30.6591	64.5677	10.6833	.0814	3.4665
4.0	2.6018	1.4931	1.24	.5334	1.8748	1.0900	.6250	1.1230	1.2945	29.8294	63.3703	10.2258	.0839	3.4240
4.0	2.6018	1.4931	1.24	.5334	1.8748	1.1400	.6296	1.1819	1.3501	28.9109	62.2460	9.7682	.0864	3.3814
4.0	2.6018	1.4931	1.24	.5334	1.8748	1.1900	.6304	1.2416	1.4050	27.9136	61.1938	9.3107	.0888	3.3387
4.0	2.6018	1.4931	1.24	.5334	1.8748	1.2400	.6276	1.3021	1.4594	26.8435	60.2157	8.8532	.0913	3.2958
4.0	2.6018	1.4931	1.24	.5334	1.8748	1.2900	.6209	1.3635	1.5133	25.7037	59.3165	8.3956	.0937	3.2528
4.0	2.6018	1.4931	1.24	.5334	1.8748	1.3400	.6105	1.4259	1.5669	24.4947	58.5047	7.9381	.0959	3.2097
4.0	2.6018	1.4931	1.24	.5334	1.8748	1.3900	.5962	1.4892	1.6204	23.2146	57.7933	7.4806	.0981	3.1664
4.0	2.6018	1.4931	1.24	.5334	1.8748	1.4400	.5777	1.5535	1.6738	21.8591	57.2022	7.0230	.1001	3.1229
4.0	2.6018	1.4931	1.24	.5334	1.8748	1.4900	.5547	1.6188	1.7273	20.4211	56.7602	6.5655	.1018	3.0791
4.0	2.6018	1.4931	1.24	.5334	1.8748	1.5400	.5269	1.6852	1.7812	18.8896	56.5110	6.1080	.1033	3.0349
4.0	2.6018	1.4931	1.24	.5334	1.8748	1.5900	.4937	1.7529	1.8354	17.2489	56.5213	5.6504	.1044	2.9904
4.0	2.6018	1.4931	1.24	.5334	1.8748	1.6400	.4540	1.8217	1.8903	15.4751	56.8985	5.1929	.1051	2.9453
4.0	2.6018	1.4931	1.24	.5334	1.8748	1.6900	.4067	1.8920	1.9460	13.5307	57.8259	4.7354	.1053	2.8996
4.0	2.6018	1.4931	1.24	.5334	1.8748	1.7400	.3493	1.9638	2.0030	11.3509	59.6464	4.2778	.1048	2.8531
4.0	2.6018	1.4931	1.24	.5334	1.8748	1.7900	.2771	2.0374	2.0616	8.8012	63.1076	3.8203	.1036	2.8054
4.0	2.6018	1.4931	1.24	.5334	1.8748	1.8400	.1763	2.1129	2.1226	5.4728	70.4503	3.3628	.1014	2.7560
4.0	2.6018	1.4931	1.28	.5659	1.7670	.5700	.0671	.5518	.5556	6.7153	87.7780	14.8159	.0576	4.1323
4.0	2.6018	1.4931	1.28	.5659	1.7670	.6200	.2394	.6034	.6468	21.1142	81.8879	14.3436	.0594	4.0888
4.0	2.6018	1.4931	1.28	.5659	1.7670	.6700	.3244	.6555	.7283	25.8350	78.7421	13.8713	.0612	4.0452
4.0	2.6018	1.4931	1.28	.5659	1.7670	.7200	.3850	.7083	.8032	28.1367	76.3016	13.3990	.0631	4.0017
4.0	2.6018	1.4931	1.28	.5659	1.7670	.7700	.4317	.7616	.8732	29.2790	74.2388	12.9267	.0650	3.9581
4.0	2.6018	1.4931	1.28	.5659	1.7670	.8200	.4687	.8156	.9394	29.7510	72.4243	12.4544	.0670	3.9144
4.0	2.6018	1.4931	1.28	.5659	1.7670	.8700	.4981	.8702	1.0027	29.7917	70.7920	11.9821	.0689	3.8706
4.0	2.6018	1.4931	1.28	.5659	1.7670	.9200	.5212	.9255	1.0637	29.5339	69.3038	11.5098	.0709	3.8269
4.0	2.6018	1.4931	1.28	.5659	1.7670	.9700	.5389	.9814	1.1227	29.0570	67.9363	11.0375	.0728	3.7830
4.0	2.6018	1.4931	1.28	.5659	1.7670	1.0200	.5518	1.0381	1.1802	28.4112	66.6752	10.5652	.0748	3.7390
4.0	2.6018	1.4931	1.28	.5659	1.7670	1.0700	.5601	1.0954	1.2364	27.6291	65.5123	10.0929	.0767	3.6950
4.0	2.6018	1.4931	1.28	.5659	1.7670	1.1200	.5641	1.1535	1.2916	26.7321	64.4440	9.6206	.0786	3.6508
4.0	2.6018	1.4931	1.28	.5659	1.7670	1.1700	.5639	1.2124	1.3459	25.7341	63.4712	9.1483	.0804	3.6066
4.0	2.6018	1.4931	1.28	.5659	1.7670	1.2200	.5597	1.2721	1.3995	24.6433	62.5988	8.6760	.0821	3.5621
4.0	2.6018	1.4931	1.28	.5659	1.7670	1.2700	.5513	1.3326	1.4527	23.4636	61.8367	8.2038	.0838	3.5176
4.0	2.6018	1.4931	1.28	.5659	1.7670	1.3200	.5386	1.3939	1.5055	22.1952	61.2010	7.7315	.0853	3.4728
4.0	2.6018	1.4931	1.28	.5659	1.7670	1.3700	.5214	1.4562	1.5581	20.8345	60.7162	7.2592	.0866	3.4277
4.0	2.6018	1.4931	1.28	.5659	1.7670	1.4200	.4993	1.5194	1.6106	19.3738	60.4191	6.7869	.0877	3.3824
4.0	2.6018	1.4931	1.28	.5659	1.7670	1.4700	.4720	1.5836	1.6633	17.8002	60.3658	6.3146	.0885	3.3367
4.0	2.6018	1.4931	1.28	.5659	1.7670	1.5200	.4385	1.6489	1.7162	16.0930	60.6444	5.8423	.0890	3.2906
4.0	2.6018	1.4931	1.28	.5659	1.7670	1.5700	.3978	1.7154	1.7696	14.2190	61.4002	5.3700	.0891	3.2440
4.0	2.6018	1.4931	1.28	.5659	1.7670	1.6200	.3479	1.7831	1.8237	12.1207	62.8929	4.8977	.0888	3.1966
4.0	2.6018	1.4931	1.28	.5659	1.7670	1.6700	.2850	1.8521	1.8789	9.6834	65.6505	4.4254	.0879	3.1484
4.0	2.6018	1.4931	1.28	.5659	1.7670	1.7200	.1990	1.9228	1.9356	6.5984	71.0560	3.9531	.0863	3.0988

4.0	2.6018	1.4931	1.32	.6025	1.6597	.6100	.0852	.5919	.5977	7.9495	87.0529	14.2580	.0570	4.3740
4.0	2.6018	1.4931	1.32	.6025	1.6597	.6600	.2301	.6437	.6817	19.2197	81.8396	13.7709	.0585	4.3290
4.0	2.6018	1.4931	1.32	.6025	1.6597	.7100	.3062	.6961	.7581	23.3279	78.8577	13.2839	.0601	4.2840
4.0	2.6018	1.4931	1.32	.6025	1.6597	.7600	.3601	.7491	.8290	25.3541	76.5390	12.7968	.0617	4.2389
4.0	2.6018	1.4931	1.32	.6025	1.6597	.8100	.4010	.8027	.8957	26.3373	74.5879	12.3098	.0633	4.1938
4.0	2.6018	1.4931	1.32	.6025	1.6597	.8600	.4325	.8569	.9591	26.6979	72.8852	11.8227	.0649	4.1486
4.0	2.6018	1.4931	1.32	.6025	1.6597	.9100	.4566	.9117	1.0200	26.6471	71.3707	11.3357	.0665	4.1033
4.0	2.6018	1.4931	1.32	.6025	1.6597	.9600	.4745	.9671	1.0788	26.3036	70.0109	10.8486	.0680	4.0579
4.0	2.6018	1.4931	1.32	.6025	1.6597	1.0100	.4869	1.0232	1.1360	25.7395	68.7869	10.3615	.0695	4.0125
4.0	2.6018	1.4931	1.32	.6025	1.6597	1.0600	.4943	1.0801	1.1917	25.0000	67.6894	9.8745	.0709	3.9669
4.0	2.6018	1.4931	1.32	.6025	1.6597	1.1100	.4968	1.1376	1.2463	24.1137	66.7161	9.3874	.0723	3.9211
4.0	2.6018	1.4931	1.32	.6025	1.6597	1.1600	.4947	1.1958	1.3001	23.0985	65.8717	8.9004	.0735	3.8753
4.0	2.6018	1.4931	1.32	.6025	1.6597	1.2100	.4880	1.2549	1.3531	21.9644	65.1676	8.4133	.0747	3.8292
4.0	2.6018	1.4931	1.32	.6025	1.6597	1.2600	.4765	1.3147	1.4056	20.7147	64.6240	7.9263	.0757	3.7829
4.0	2.6018	1.4931	1.32	.6025	1.6597	1.3100	.4600	1.3753	1.4577	19.3469	64.2725	7.4392	.0765	3.7364
4.0	2.6018	1.4931	1.32	.6025	1.6597	1.3600	.4380	1.4369	1.5096	17.8520	64.1624	6.9522	.0771	3.6895
4.0	2.6018	1.4931	1.32	.6025	1.6597	1.4100	.4100	1.4993	1.5614	16.2123	64.3707	6.4651	.0775	3.6422
4.0	2.6018	1.4931	1.32	.6025	1.6597	1.4600	.3748	1.5628	1.6134	14.3968	65.0230	5.9781	.0776	3.5945
4.0	2.6018	1.4931	1.32	.6025	1.6597	1.5100	.3306	1.6273	1.6658	12.3497	66.3396	5.4910	.0773	3.5462
4.0	2.6018	1.4931	1.32	.6025	1.6597	1.5600	.2739	1.6929	1.7188	9.9582	68.7562	5.0040	.0766	3.4971
4.0	2.6018	1.4931	1.32	.6025	1.6597	1.6100	.1955	1.7598	1.7728	6.9231	73.3711	4.5169	.0754	3.4470
4.0	2.6018	1.4931	1.36	.6448	1.5509	.6500	.0657	.6321	.6354	5.7750	87.6191	13.6765	.0561	4.6224
4.0	2.6018	1.4931	1.36	.6448	1.5509	.7000	.2076	.6842	.7137	16.5218	82.2765	13.1746	.0575	4.5759
4.0	2.6018	1.4931	1.36	.6448	1.5509	.7500	.2776	.7368	.7857	20.3110	79.3838	12.6728	.0588	4.5294
4.0	2.6018	1.4931	1.36	.6448	1.5509	.8000	.3258	.7900	.8531	22.1616	77.1722	12.1710	.0601	4.4827
4.0	2.6018	1.4931	1.36	.6448	1.5509	.8500	.3612	.8438	.9169	23.0244	75.3415	11.6692	.0613	4.4361
4.0	2.6018	1.4931	1.36	.6448	1.5509	.9000	.3873	.8982	.9779	23.2850	73.7751	11.1674	.0625	4.3893
4.0	2.6018	1.4931	1.36	.6448	1.5509	.9500	.4060	.9532	1.0366	23.1380	72.4165	10.6656	.0637	4.3424
4.0	2.6018	1.4931	1.36	.6448	1.5509	1.0000	.4182	1.0089	1.0935	22.6932	71.2375	10.1638	.0648	4.2953
4.0	2.6018	1.4931	1.36	.6448	1.5509	1.0500	.4246	1.0652	1.1490	22.0163	70.2264	9.6620	.0658	4.2482
4.0	2.6018	1.4931	1.36	.6448	1.5509	1.1000	.4255	1.1222	1.2032	21.1472	69.3832	9.1602	.0667	4.2008
4.0	2.6018	1.4931	1.36	.6448	1.5509	1.1500	.4210	1.1799	1.2565	20.1091	68.7193	8.6583	.0675	4.1533
4.0	2.6018	1.4931	1.36	.6448	1.5509	1.2000	.4112	1.2383	1.3090	18.9130	68.2583	8.1565	.0682	4.1055
4.0	2.6018	1.4931	1.36	.6448	1.5509	1.2500	.3955	1.2975	1.3609	17.5592	68.0406	7.6547	.0687	4.0575
4.0	2.6018	1.4931	1.36	.6448	1.5509	1.3000	.3737	1.3575	1.4125	16.0367	68.1313	7.1529	.0690	4.0091
4.0	2.6018	1.4931	1.36	.6448	1.5509	1.3500	.3446	1.4184	1.4639	14.3194	68.6375	6.6511	.0690	3.9603
4.0	2.6018	1.4931	1.36	.6448	1.5509	1.4000	.3066	1.4802	1.5153	12.3547	69.7455	6.1493	.0688	3.9110
4.0	2.6018	1.4931	1.36	.6448	1.5509	1.4500	.2565	1.5429	1.5669	10.0318	71.8183	5.6475	.0682	3.8610
4.0	2.6018	1.4931	1.36	.6448	1.5509	1.5000	.1856	1.6067	1.6190	7.0544	75.7521	5.1457	.0673	3.8102
4.0	2.6018	1.4931	1.36	.6448	1.5509	1.5500	.0249	1.6717	1.6719	.9212	87.9040	4.6438	.0660	3.7584
4.0	2.6018	1.4931	1.40	.6958	1.4371	.7000	.0530	.6829	.6849	4.3290	87.9754	12.9680	.0553	4.8677
4.0	2.6018	1.4931	1.40	.6958	1.4371	.7500	.1843	.7353	.7572	13.8075	82.7501	12.4514	.0563	4.8197
4.0	2.6018	1.4931	1.40	.6958	1.4371	.8000	.2456	.7883	.8246	17.0691	80.0407	11.9349	.0573	4.7716
4.0	2.6018	1.4931	1.40	.6958	1.4371	.8500	.2862	.8418	.8883	18.6105	78.0199	11.4183	.0583	4.7233
4.0	2.6018	1.4931	1.40	.6958	1.4371	.9000	.3143	.8959	.9490	19.2492	76.3983	10.9017	.0592	4.6750
4.0	2.6018	1.4931	1.40	.6958	1.4371	.9500	.3330	.9506	1.0074	19.3185	75.0690	10.3852	.0600	4.6265
4.0	2.6018	1.4931	1.40	.6958	1.4371	1.0000	.3441	1.0060	1.0639	18.9869	73.9871	9.8686	.0608	4.5779
4.0	2.6018	1.4931	1.40	.6958	1.4371	1.0500	.3482	1.0619	1.1188	18.3475	73.1385	9.3520	.0614	4.5291
4.0	2.6018	1.4931	1.40	.6958	1.4371	1.1000	.3458	1.1186	1.1726	17.4523	72.5314	8.8354	.0620	4.4800
4.0	2.6018	1.4931	1.40	.6958	1.4371	1.1500	.3369	1.1759	1.2253	16.3266	72.1952	8.3189	.0623	4.4308
4.0	2.6018	1.4931	1.40	.6958	1.4371	1.2000	.3210	1.2340	1.2773	14.9743	72.1870	7.8023	.0625	4.3812
4.0	2.6018	1.4931	1.40	.6958	1.4371	1.2500	.2972	1.2928	1.3288	13.3761	72.6070	7.2857	.0626	4.3312
4.0	2.6018	1.4931	1.40	.6958	1.4371	1.3000	.2639	1.3524	1.3800	11.4765	73.6369	6.7692	.0624	4.2808
4.0	2.6018	1.4931	1.40	.6958	1.4371	1.3500	.2172	1.4128	1.4310	9.1404	75.6474	6.2526	.0619	4.2298
4.0	2.6018	1.4931	1.40	.6958	1.4371	1.4000	.1457	1.4742	1.4822	5.9425	79.6625	5.7360	.0611	4.1781
4.0	2.6018	1.4931	1.44	.7629	1.3108	.7700	.0592	.7549	.7571	4.3948	87.5764	12.0175	.0544	5.0990
4.0	2.6018	1.4931	1.44	.7629	1.3108	.8200	.1593	.8079	.8230	10.9971	83.2590	11.4862	.0551	5.0494
4.0	2.6018	1.4931	1.44	.7629	1.3108	.8700	.2063	.8614	.8853	13.3393	80.9706	10.9549	.0558	4.9995
4.0	2.6018	1.4931	1.44	.7629	1.3108	.9200	.2346	.9155	.9448	14.3050	79.3554	10.4235	.0564	4.9495
4.0	2.6018	1.4931	1.44	.7629	1.3108	.9700	.2507	.9702	1.0021	14.4939	78.1797	9.8922	.0569	4.8994
4.0	2.6018	1.4931	1.44	.7629	1.3108	1.0200	.2572	1.0255	1.0576	14.1516	77.3742	9.3609	.0572	4.8490
4.0	2.6018	1.4931	1.44	.7629	1.3108	1.0700	.2548	1.0814	1.1116	13.3935	76.9378	8.8295	.0575	4.7984
4.0	2.6018	1.4931	1.44	.7629	1.3108	1.1200	.2435	1.1380	1.1646	12.2649	76.9224	8.2982	.0576	4.7475
4.0	2.6018	1.4931	1.44	.7629	1.3108	1.1700	.2222	1.1953	1.2166	10.7529	77.4503	7.7669	.0576	4.6962
4.0	2.6018	1.4931	1.44	.7629	1.3108	1.2200	.1880	1.2533	1.2680	8.7589	78.7866	7.2356	.0573	4.6445
4.0	2.6018	1.4931	1.44	.7629	1.3108	1.2700	.1318	1.3120	1.3191	5.9257	81.6506	6.7042	.0568	4.5923
4.0	2.6018	1.4931	1.48	.8757	1.1420	.8800	.0319	.8703	.8709	2.0778	88.5470	10.5888	.0531	5.2936
4.0	2.6018	1.4931	1.48	.8757	1.1420	.9300	.1014	.9242	.9297	6.2213	85.2053	10.0427	.0535	5.2419
4.0	2.6018	1.4931	1.48	.8757	1.1420	.9800	.1224	.9788	.9864	7.1183	83.9705	9.4967	.0537	5.1901
4.0	2.6018	1.4931	1.48	.8757	1.1420	1.0300	.1233	1.0339	1.0413	6.8252	83.6549	8.9506	.0537	5.1379
4.0	2.6018	1.4931	1.48	.8757	1.1420	1.0800	.1051	1.0897	1.0949	5.5566	84.3320	8.4045	.0537	5.0854
4.0	2.6018	1.4931	1.48	.8757	1.1420	1.1300	.0513	1.1461	1.1473	2.5987	87.0892	7.8584	.0534	5.0326

LOOP BRANCH (M1 FROM 1 TO 51

GAMMA = 1.2

M1	M1*	DELMAX	DEL	XMIN	XMAX	X(M2U*1	Y(M2V*1	M2U	M2	THETA	SIGMA	PR21	PTR21	TR21
4.5	2.7136	1.5411	1.00	.3685	2.7136	.3700	.0575	.3551	.3593	8.8394	88.5936	21.9867	.0310	2.9864
4.5	2.7136	1.5411	1.00	.3685	2.7136	.4200	.3349	.4058	.5190	38.5651	81.6936	21.5389	.0330	2.9457
4.5	2.7136	1.5411	1.00	.3685	2.7136	.4700	.4647	.4573	.6431	44.6766	78.2977	21.0912	.0351	2.9049
4.5	2.7136	1.5411	1.00	.3685	2.7136	.5200	.5611	.5095	.7496	47.1764	75.6524	20.6435	.0374	2.8641
4.5	2.7136	1.5411	1.00	.3685	2.7136	.5700	.6393	.5626	.8453	48.2790	73.3940	20.1957	.0399	2.8233
4.5	2.7136	1.5411	1.00	.3685	2.7136	.6200	.7054	.6164	.9336	48.6858	71.3803	19.7480	.0426	2.7825
4.5	2.7136	1.5411	1.00	.3685	2.7136	.6700	.7625	.6710	1.0166	48.6958	69.5379	19.3002	.0454	2.7417
4.5	2.7136	1.5411	1.00	.3685	2.7136	.7200	.8126	.7265	1.0955	48.4587	67.8232	18.8525	.0486	2.7008
4.5	2.7136	1.5411	1.00	.3685	2.7136	.7700	.8569	.7829	1.1714	48.0580	66.2078	18.4047	.0520	2.6600
4.5	2.7136	1.5411	1.00	.3685	2.7136	.8200	.8962	.8402	1.2447	47.5438	64.6717	17.9570	.0556	2.6192
4.5	2.7136	1.5411	1.00	.3685	2.7136	.8700	.9313	.8985	1.3162	46.9477	63.2004	17.5092	.0596	2.5784
4.5	2.7136	1.5411	1.00	.3685	2.7136	.9200	.9624	.9577	1.3860	46.2907	61.7829	17.0615	.0639	2.5375
4.5	2.7136	1.5411	1.00	.3685	2.7136	.9700	.9901	1.0180	1.4547	45.5870	60.4105	16.6138	.0686	2.4967
4.5	2.7136	1.5411	1.00	.3685	2.7136	1.0200	1.0146	1.0794	1.5224	44.8466	59.0763	16.1660	.0737	2.4558
4.5	2.7136	1.5411	1.00	.3685	2.7136	1.0700	1.0361	1.1418	1.5894	44.0765	57.7746	15.7183	.0792	2.4150
4.5	2.7136	1.5411	1.00	.3685	2.7136	1.1200	1.0548	1.2054	1.6558	43.2818	56.5005	15.2705	.0853	2.3741
4.5	2.7136	1.5411	1.00	.3685	2.7136	1.1700	1.0708	1.2702	1.7219	42.4660	55.2501	14.8228	.0919	2.3332
4.5	2.7136	1.5411	1.00	.3685	2.7136	1.2200	1.0844	1.3363	1.7878	41.6318	54.0198	14.3750	.0991	2.2923
4.5	2.7136	1.5411	1.00	.3685	2.7136	1.2700	1.0955	1.4036	1.8536	40.7809	52.8065	13.9273	.1069	2.2514
4.5	2.7136	1.5411	1.00	.3685	2.7136	1.3200	1.1043	1.4723	1.9195	39.9146	51.6074	13.4795	.1155	2.2105
4.5	2.7136	1.5411	1.00	.3685	2.7136	1.3700	1.1107	1.5424	1.9857	39.0337	50.4199	13.0318	.1250	2.1696
4.5	2.7136	1.5411	1.00	.3685	2.7136	1.4200	1.1150	1.6140	2.0521	38.1384	49.2419	12.5841	.1353	2.1286
4.5	2.7136	1.5411	1.00	.3685	2.7136	1.4700	1.1170	1.6871	2.1189	37.2289	48.0710	12.1363	.1466	2.0877
4.5	2.7136	1.5411	1.00	.3685	2.7136	1.5200	1.1167	1.7619	2.1863	36.3049	46.9052	11.6886	.1590	2.0467
4.5	2.7136	1.5411	1.00	.3685	2.7136	1.5700	1.1143	1.8384	2.2544	35.3659	45.7426	11.2408	.1727	2.0057
4.5	2.7136	1.5411	1.00	.3685	2.7136	1.6200	1.1097	1.9166	2.3232	34.4113	44.5812	10.7931	.1877	1.9646
4.5	2.7136	1.5411	1.00	.3685	2.7136	1.6700	1.1028	1.9968	2.3929	33.4401	43.4192	10.3453	.2042	1.9236
4.5	2.7136	1.5411	1.00	.3685	2.7136	1.7200	1.0937	2.0789	2.4636	32.4511	42.2545	9.8976	.2224	1.8825
4.5	2.7136	1.5411	1.00	.3685	2.7136	1.7700	1.0822	2.1631	2.5354	31.4430	41.0852	9.4499	.2424	1.8414
4.5	2.7136	1.5411	1.00	.3685	2.7136	1.8200	1.0684	2.2495	2.6084	30.4139	39.9093	9.0021	.2645	1.8002
4.5	2.7136	1.5411	1.00	.3685	2.7136	1.8700	1.0521	2.3382	2.6828	29.3620	38.7247	8.5544	.2888	1.7590
4.5	2.7136	1.5411	1.00	.3685	2.7136	1.9200	1.0332	2.4294	2.7588	28.2848	37.5291	8.1066	.3156	1.7177
4.5	2.7136	1.5411	1.00	.3685	2.7136	1.9700	1.0116	2.5232	2.8364	27.1795	36.3200	7.6589	.3451	1.6764
4.5	2.7136	1.5411	1.00	.3685	2.7136	2.0200	.9871	2.6198	2.9158	26.0428	35.0948	7.2111	.3776	1.6349
4.5	2.7136	1.5411	1.00	.3685	2.7136	2.0700	.9596	2.7194	2.9974	24.8708	33.8503	6.7634	.4132	1.5934
4.5	2.7136	1.5411	1.00	.3685	2.7136	2.1200	.9288	2.8222	3.0811	23.6586	32.5832	6.3156	.4523	1.5518
4.5	2.7136	1.5411	1.00	.3685	2.7136	2.1700	.8944	2.9284	3.1674	22.4005	31.2897	5.8679	.4949	1.5101
4.5	2.7136	1.5411	1.00	.3685	2.7136	2.2200	.8561	3.0384	3.2565	21.0893	29.9651	5.4202	.5413	1.4681
4.5	2.7136	1.5411	1.00	.3685	2.7136	2.2700	.8135	3.1524	3.3487	19.7160	28.6039	4.9724	.5914	1.4260
4.5	2.7136	1.5411	1.00	.3685	2.7136	2.3200	.7659	3.2708	3.4445	18.2690	27.1998	4.5247	.6451	1.3835
4.5	2.7136	1.5411	1.00	.3685	2.7136	2.3700	.7125	3.3942	3.5443	16.7333	25.7445	4.0769	.7019	1.3407
4.5	2.7136	1.5411	1.00	.3685	2.7136	2.4200	.6524	3.5232	3.6490	15.0886	24.2277	3.6292	.7609	1.2974
4.5	2.7136	1.5411	1.00	.3685	2.7136	2.4700	.5842	3.6586	3.7596	13.3065	22.6361	3.1814	.8205	1.2534
4.5	2.7136	1.5411	1.00	.3685	2.7136	2.5200	.5056	3.8017	3.8774	11.3455	20.9516	2.7337	.8783	1.2083
4.5	2.7136	1.5411	1.00	.3685	2.7136	2.5700	.4136	3.9543	4.0052	9.1418	19.1484	2.2859	.9304	1.1616
4.5	2.7136	1.5411	1.00	.3685	2.7136	2.6200	.3026	4.1200	4.1474	6.5883	17.1881	1.8382	.9716	1.1121
4.5	2.7136	1.5411	1.00	.3685	2.7136	2.6700	.1626	4.3061	4.3141	3.4857	15.0080	1.3905	.9954	1.0573
4.5	2.7136	1.5411	1.04	.3883	2.5753	.3900	.0592	.3745	.3788	8.6358	88.5060	21.6679	.0308	3.2256
4.5	2.7136	1.5411	1.04	.3883	2.5753	.4400	.3236	.4253	.5280	36.3329	81.7100	21.2022	.0326	3.1831
4.5	2.7136	1.5411	1.04	.3883	2.5753	.4900	.4483	.4769	.6463	42.4533	78.3331	20.7366	.0346	3.1407
4.5	2.7136	1.5411	1.04	.3883	2.5753	.5400	.5405	.5291	.7486	45.0289	75.7017	20.2709	.0367	3.0982
4.5	2.7136	1.5411	1.04	.3883	2.5753	.5900	.6152	.5821	.8410	46.1972	73.4554	19.8053	.0389	3.0557
4.5	2.7136	1.5411	1.04	.3883	2.5753	.6400	.6780	.6359	.9264	46.6532	71.4527	19.3396	.0414	3.0133
4.5	2.7136	1.5411	1.04	.3883	2.5753	.6900	.7322	.6904	1.0067	46.6978	69.6210	18.8740	.0440	2.9708
4.5	2.7136	1.5411	1.04	.3883	2.5753	.7400	.7793	.7458	1.0831	46.4835	67.9167	18.4083	.0467	2.9283
4.5	2.7136	1.5411	1.04	.3883	2.5753	.7900	.8208	.8020	1.1566	46.0960	66.3116	17.9427	.0497	2.8858
4.5	2.7136	1.5411	1.04	.3883	2.5753	.8400	.8574	.8591	1.2277	45.5872	64.7860	17.4770	.0530	2.8433
4.5	2.7136	1.5411	1.04	.3883	2.5753	.8900	.8897	.9172	1.2968	44.9900	63.3254	17.0114	.0564	2.8008
4.5	2.7136	1.5411	1.04	.3883	2.5753	.9400	.9182	.9761	1.3645	44.3263	61.9189	16.5457	.0602	2.7583
4.5	2.7136	1.5411	1.04	.3883	2.5753	.9900	.9431	1.0361	1.4310	43.6111	60.5578	16.0800	.0642	2.7157
4.5	2.7136	1.5411	1.04	.3883	2.5753	1.0400	.9649	1.0970	1.4965	42.8546	59.2355	15.6144	.0685	2.6732
4.5	2.7136	1.5411	1.04	.3883	2.5753	1.0900	.9837	1.1590	1.5612	42.0644	57.9463	15.1487	.0732	2.6307
4.5	2.7136	1.5411	1.04	.3883	2.5753	1.1400	.9996	1.2221	1.6254	41.2458	56.6854	14.6831	.0782	2.5881
4.5	2.7136	1.5411	1.04	.3883	2.5753	1.1900	1.0129	1.2864	1.6892	40.4025	55.4489	14.2174	.0837	2.5455
4.5	2.7136	1.5411	1.04	.3883	2.5753	1.2400	1.0235	1.3518	1.7528	39.5371	54.2335	13.7518	.0896	2.5029
4.5	2.7136	1.5411	1.04	.3883	2.5753	1.2900	1.0317	1.4184	1.8162	38.6516	53.0361	13.2861	.0959	2.4603
4.5	2.7136	1.5411	1.04	.3883	2.5753	1.3400	1.0374	1.4863	1.8797	37.7471	51.8542	12.8205	.1028	2.4176
4.5	2.7136	1.5411	1.04	.3883	2.5753	1.3900	1.0408	1.5556	1.9433	36.8242	50.6853	12.3548	.1102	2.3750
4.5	2.7136	1.5411	1.04	.3883	2.5753	1.4400	1.0417	1.6262	2.0071	35.8832	49.5275	11.8892	.1183	2.3323
4.5	2.7136	1.5411	1.04	.3883	2.5753	1.4900	1.0404	1.6983	2.0713	34.9238	48.3787	11.4235	.1270	2.2896
4.5	2.7136	1.5411	1.04	.3883	2.5753	1.5400	1.0366	1.7719	2.1359	33.9457	47.2372	10.9579	.1364	2.2468
4.5	2.7136	1.5411	1.04	.3883	2.5753	1.5900	1.0305	1.8471	2.2011	32.9479	46.1015	10.4922	.1465	2.2040
4.5	2.7136	1.5411	1.04	.3883	2.5753	1.6400	1.0220	1.9240	2.2670	31.9293	44.9700	10.0265	.1575	2.1612
4.5	2.7136	1.5411	1.04	.3883	2.5753	1.6900	1.0110	2.0026	2.3336	30.8886	43.8415	9.5609	.1694	2.1183
4.5	2.7136	1.5411	1.04	.3883	2.5753	1.7400	.9975	2.0831	2.4011	29.8238	42.7146	9.0952	.1822	2.0754
4.5	2.7136	1.5411	1.04	.3883	2.5753	1.7900	.9813	2.1655	2.4695	28.7328	41.5884	8.6296	.1960	2.0324
4.5	2.7136	1.5411	1.04	.3883	2.5753	1.8400	.9625	2.2499	2.5391	27.6128	40.4619	8.1639	.2109	1.9893
4.5	2.7136	1.5411	1.04	.3883	2.5753	1.8900	.9407	2.3365	2.6100	26.4609	39.3345	7.6983	.2269	1.9461
4.5	2.7136	1.5411	1.04	.3883	2.5753	1.9400	.9159	2.4255	2.6822	25.2730	38.2059	7.2326	.2439	1.9029
4.5	2.7136	1.5411	1.04	.3883	2.5753	1.9900	.8879	2.5168	2.7560	24.0445	37.0763	6.7670	.2621	1.8595
4.5	2.7136	1.5411	1.04	.3883	2.5753	2.0400	.8563	2.6108	2.8315	22.7699	35.9468	6.3013	.2813	1.8159
4.5	2.7136	1.5411	1.04	.3883	2.5753	2.0900	.8208	2.7076	2.9090	21.4421	34.8194	5.8357	.3016	1.7722
4.5	2.7136	1.5411	1.04	.3883	2.5753	2.1400	.7811	2.8075	2.9886	20.0524	33.6985	5.3700	.3227	1.7282
4.5	2.7136	1.5411	1.04	.3883	2.5753	2.1900	.7366	2.9106	3.0708	18.5895	32.5917	4.9043	.3444	1.6839
4.5	2.7136	1.5411	1.04	.3883	2.5753	2.2400	.6865	3.0174	3.1559	17.0390	31.5130	4.4387	.3663	1.6392
4.5	2.7136	1.5411	1.04	.3883	2.5753	2.2900	.6300	3.1282	3.2444	15.3813	30.4882	3.9730	.3878	1.5940
4.5	2.7136	1.5411	1.04	.3883	2.5753	2.3400	.5656	3.2436	3.3370	13.5894	29.5674	3.5074	.4081	1.5480
4.5	2.7136	1.5411	1.04	.3883	2.5753	2.3900	.4916	3.3645	3.4349	11.6237	28.8564	3.0417	.4259	1.5009
4.5	2.7136	1.5411	1.04	.3883	2.5753	2.4400	.4050	3.4920	3.5398	9.4236	28.6118	2.5761	.4397	1.4522
4.5	2.7136	1.5411	1.04	.3883	2.5753	2.4900	.3007	3.6284	3.6547	6.8848	29.6159	2.1104	.4472	1.4008
4.5	2.7136	1.5411	1.04	.3883	2.5753	2.5400	.1679	3.7779	3.7862	3.7816	35.7599	1.6448	.4458	1.3445

4.5	2.7136	1.5411	1.08	.4090	2.4448	.4100	.0432	.3940	.3962	6.0090	88.8768	21.3348	.0306	3.4738
4.5	2.7136	1.5411	1.08	.4090	2.4448	.4600	.3097	.4449	.5363	33.9467	81.8088	20.8512	.0323	3.4297
4.5	2.7136	1.5411	1.08	.4090	2.4448	.5100	.4300	.4964	.6493	40.1376	78.4334	20.3676	.0341	3.3856
4.5	2.7136	1.5411	1.08	.4090	2.4448	.5600	.5186	.5487	.7478	42.8045	75.8099	19.8841	.0360	3.3415
4.5	2.7136	1.5411	1.08	.4090	2.4448	.6100	.5900	.6016	.8370	44.0447	73.5733	19.4005	.0380	3.2974
4.5	2.7136	1.5411	1.08	.4090	2.4448	.6600	.6498	.6554	.9197	44.5528	71.5813	18.9170	.0402	3.2532
4.5	2.7136	1.5411	1.08	.4090	2.4448	.7100	.7010	.7098	.9975	44.6333	69.7608	18.4334	.0425	3.2091
4.5	2.7136	1.5411	1.08	.4090	2.4448	.7600	.7453	.7651	1.0716	44.4423	68.0685	17.9498	.0450	3.1649
4.5	2.7136	1.5411	1.08	.4090	2.4448	.8100	.7841	.8212	1.1429	44.0679	66.4760	17.4663	.0476	3.1207
4.5	2.7136	1.5411	1.08	.4090	2.4448	.8600	.8179	.8781	1.2119	43.5639	64.9637	16.9827	.0504	3.0765
4.5	2.7136	1.5411	1.08	.4090	2.4448	.9100	.8475	.9359	1.2790	42.9644	63.5172	16.4991	.0534	3.0323
4.5	2.7136	1.5411	1.08	.4090	2.4448	.9600	.8733	.9946	1.3446	42.2924	62.1257	16.0156	.0567	2.9881
4.5	2.7136	1.5411	1.08	.4090	2.4448	1.0100	.8956	1.0543	1.4090	41.5634	60.7808	15.5320	.0601	2.9439
4.5	2.7136	1.5411	1.08	.4090	2.4448	1.0600	.9146	1.1149	1.4725	40.7885	59.4756	15.0484	.0638	2.8996
4.5	2.7136	1.5411	1.08	.4090	2.4448	1.1100	.9306	1.1765	1.5352	39.9753	58.2049	14.5649	.0677	2.8554
4.5	2.7136	1.5411	1.08	.4090	2.4448	1.1600	.9437	1.2391	1.5974	39.1293	56.9641	14.0813	.0719	2.8111
4.5	2.7136	1.5411	1.08	.4090	2.4448	1.2100	.9540	1.3028	1.6591	38.2545	55.7494	13.5978	.0763	2.7668
4.5	2.7136	1.5411	1.08	.4090	2.4448	1.2600	.9617	1.3677	1.7205	37.3535	54.5578	13.1142	.0811	2.7224
4.5	2.7136	1.5411	1.08	.4090	2.4448	1.3100	.9668	1.4337	1.7818	36.4282	53.3864	12.6306	.0862	2.6781
4.5	2.7136	1.5411	1.08	.4090	2.4448	1.3600	.9693	1.5009	1.8431	35.4795	52.2332	12.1471	.0917	2.6337
4.5	2.7136	1.5411	1.08	.4090	2.4448	1.4100	.9694	1.5694	1.9044	34.5079	51.0961	11.6635	.0975	2.5893
4.5	2.7136	1.5411	1.08	.4090	2.4448	1.4600	.9668	1.6391	1.9660	33.5134	49.9736	11.1799	.1037	2.5448
4.5	2.7136	1.5411	1.08	.4090	2.4448	1.5100	.9618	1.7103	2.0278	32.4955	48.8645	10.6964	.1103	2.5003
4.5	2.7136	1.5411	1.08	.4090	2.4448	1.5600	.9542	1.7829	2.0900	31.4532	47.7678	10.2128	.1173	2.4557
4.5	2.7136	1.5411	1.08	.4090	2.4448	1.6100	.9440	1.8570	2.1527	30.3850	46.6829	9.7292	.1247	2.4111
4.5	2.7136	1.5411	1.08	.4090	2.4448	1.6600	.9311	1.9327	2.2160	29.2892	45.6096	9.2457	.1326	2.3664
4.5	2.7136	1.5411	1.08	.4090	2.4448	1.7100	.9155	2.0100	2.2799	28.1635	44.5482	8.7621	.1409	2.3216
4.5	2.7136	1.5411	1.08	.4090	2.4448	1.7600	.8970	2.0890	2.3447	27.0049	43.4996	8.2786	.1497	2.2767
4.5	2.7136	1.5411	1.08	.4090	2.4448	1.8100	.8754	2.1699	2.4104	25.8098	42.4656	7.7950	.1589	2.2317
4.5	2.7136	1.5411	1.08	.4090	2.4448	1.8600	.8506	2.2528	2.4771	24.5740	41.4492	7.3114	.1684	2.1866
4.5	2.7136	1.5411	1.08	.4090	2.4448	1.9100	.8223	2.3377	2.5451	23.2921	40.4551	6.8279	.1784	2.1413
4.5	2.7136	1.5411	1.08	.4090	2.4448	1.9600	.7902	2.4247	2.6144	21.9574	39.4904	6.3443	.1885	2.0958
4.5	2.7136	1.5411	1.08	.4090	2.4448	2.0100	.7540	2.5142	2.6852	20.5616	38.5664	5.8607	.1988	2.0501
4.5	2.7136	1.5411	1.08	.4090	2.4448	2.0600	.7131	2.6062	2.7579	19.0941	37.7009	5.3772	.2090	2.0041
4.5	2.7136	1.5411	1.08	.4090	2.4448	2.1100	.6669	2.7009	2.8326	17.5411	36.9225	4.8936	.2189	1.9576
4.5	2.7136	1.5411	1.08	.4090	2.4448	2.1600	.6146	2.7987	2.9098	15.8839	36.2800	4.4100	.2283	1.9106
4.5	2.7136	1.5411	1.08	.4090	2.4448	2.2100	.5550	2.8999	2.9899	14.0968	35.8610	3.9265	.2365	1.8629
4.5	2.7136	1.5411	1.08	.4090	2.4448	2.2600	.4862	3.0051	3.0738	12.1422	35.8369	3.4429	.2432	1.8142
4.5	2.7136	1.5411	1.08	.4090	2.4448	2.3100	.4057	3.1150	3.1627	9.9606	36.5893	2.9593	.2474	1.7640
4.5	2.7136	1.5411	1.08	.4090	2.4448	2.3600	.3084	3.2310	3.2584	7.4446	39.1617	2.4758	.2482	1.7114
4.5	2.7136	1.5411	1.08	.4090	2.4448	2.4100	.1821	3.3554	3.3650	4.3200	47.8548	1.9922	.2444	1.6547
4.5	2.7136	1.5411	1.12	.4308	2.3210	.4400	.1278	.4236	.4411	16.1973	86.5567	20.8870	.0306	3.7221
4.5	2.7136	1.5411	1.12	.4308	2.3210	.4900	.3202	.4746	.5670	33.1668	81.2229	20.3856	.0322	3.6764
4.5	2.7136	1.5411	1.12	.4308	2.3210	.5400	.4287	.5264	.6721	38.4471	78.0411	19.8841	.0338	3.6306
4.5	2.7136	1.5411	1.12	.4308	2.3210	.5900	.5100	.5788	.7650	40.8393	75.5153	19.3826	.0356	3.5848
4.5	2.7136	1.5411	1.12	.4308	2.3210	.6400	.5757	.6319	.8499	41.9707	73.3436	18.8811	.0374	3.5389
4.5	2.7136	1.5411	1.12	.4308	2.3210	.6900	.6307	.6857	.9290	42.4275	71.4012	18.3797	.0394	3.4931
4.5	2.7136	1.5411	1.12	.4308	2.3210	.7400	.6776	.7402	1.0037	42.4790	69.6220	17.8782	.0415	3.4473
4.5	2.7136	1.5411	1.12	.4308	2.3210	.7900	.7180	.7956	1.0751	42.2672	67.9659	17.3767	.0437	3.4014
4.5	2.7136	1.5411	1.12	.4308	2.3210	.8400	.7530	.8517	1.1438	41.8743	66.4067	16.8752	.0461	3.3556
4.5	2.7136	1.5411	1.12	.4308	2.3210	.8900	.7833	.9086	1.2104	41.3511	64.9259	16.3738	.0485	3.3097
4.5	2.7136	1.5411	1.12	.4308	2.3210	.9400	.8094	.9664	1.2753	40.7304	63.5101	15.8723	.0512	3.2638
4.5	2.7136	1.5411	1.12	.4308	2.3210	.9900	.8317	1.0250	1.3388	40.0343	62.1492	15.3708	.0539	3.2178
4.5	2.7136	1.5411	1.12	.4308	2.3210	1.0400	.8506	1.0846	1.4011	39.2781	60.8354	14.8693	.0569	3.1719
4.5	2.7136	1.5411	1.12	.4308	2.3210	1.0900	.8662	1.1450	1.4625	38.4722	59.5623	14.3679	.0600	3.1259
4.5	2.7136	1.5411	1.12	.4308	2.3210	1.1400	.8787	1.2065	1.5233	37.6242	58.3252	13.8664	.0633	3.0799
4.5	2.7136	1.5411	1.12	.4308	2.3210	1.1900	.8883	1.2689	1.5834	36.7395	57.1199	13.3649	.0668	3.0339
4.5	2.7136	1.5411	1.12	.4308	2.3210	1.2400	.8950	1.3324	1.6432	35.8217	55.9434	12.8635	.0704	2.9878
4.5	2.7136	1.5411	1.12	.4308	2.3210	1.2900	.8990	1.3969	1.7027	34.8732	54.7931	12.3620	.0743	2.9417
4.5	2.7136	1.5411	1.12	.4308	2.3210	1.3400	.9003	1.4626	1.7620	33.8954	53.6670	11.8605	.0784	2.8956
4.5	2.7136	1.5411	1.12	.4308	2.3210	1.3900	.8989	1.5294	1.8213	32.8891	52.5637	11.3590	.0827	2.8494
4.5	2.7136	1.5411	1.12	.4308	2.3210	1.4400	.8947	1.5975	1.8807	31.8541	51.4825	10.8576	.0872	2.8031
4.5	2.7136	1.5411	1.12	.4308	2.3210	1.4900	.8879	1.6667	1.9402	30.7899	50.4229	10.3561	.0919	2.7568
4.5	2.7136	1.5411	1.12	.4308	2.3210	1.5400	.8782	1.7374	2.0000	29.6952	49.3853	9.8546	.0968	2.7104
4.5	2.7136	1.5411	1.12	.4308	2.3210	1.5900	.8657	1.8093	2.0602	28.5681	48.3708	9.3531	.1020	2.6639
4.5	2.7136	1.5411	1.12	.4308	2.3210	1.6400	.8503	1.8828	2.1208	27.4061	47.3815	8.8517	.1073	2.6173
4.5	2.7136	1.5411	1.12	.4308	2.3210	1.6900	.8318	1.9577	2.1820	26.2061	46.4207	8.3502	.1127	2.5706
4.5	2.7136	1.5411	1.12	.4308	2.3210	1.7400	.8100	2.0343	2.2439	24.9639	45.4933	7.8487	.1183	2.5238
4.5	2.7136	1.5411	1.12	.4308	2.3210	1.7900	.7848	2.1125	2.3066	23.6746	44.6070	7.3472	.1240	2.4768
4.5	2.7136	1.5411	1.12	.4308	2.3210	1.8400	.7558	2.1925	2.3702	22.3316	43.7725	6.8458	.1297	2.4296
4.5	2.7136	1.5411	1.12	.4308	2.3210	1.8900	.7227	2.2744	2.4350	20.9268	43.0064	6.3443	.1353	2.3821
4.5	2.7136	1.5411	1.12	.4308	2.3210	1.9400	.6851	2.3583	2.5010	19.4500	42.3336	5.8428	.1407	2.3344
4.5	2.7136	1.5411	1.12	.4308	2.3210	1.9900	.6423	2.4445	2.5686	17.8873	41.7932	5.3413	.1457	2.2862
4.5	2.7136	1.5411	1.12	.4308	2.3210	2.0400	.5935	2.5330	2.6380	16.2204	41.4493	4.8399	.1503	2.2375
4.5	2.7136	1.5411	1.12	.4308	2.3210	2.0900	.5375	2.6242	2.7096	14.4232	41.4133	4.3384	.1540	2.1881
4.5	2.7136	1.5411	1.12	.4308	2.3210	2.1400	.4728	2.7185	2.7840	12.4574	41.8955	3.8369	.1567	2.1377
4.5	2.7136	1.5411	1.12	.4308	2.3210	2.1900	.3964	2.8163	2.8621	10.2599	43.3428	3.3355	.1578	2.0859
4.5	2.7136	1.5411	1.12	.4308	2.3210	2.2400	.3032	2.9186	2.9452	7.7090	46.9076	2.8340	.1569	2.0320
4.5	2.7136	1.5411	1.12	.4308	2.3210	2.2900	.1782	3.0268	3.0359	4.4486	56.9783	2.3325	.1533	1.9746
4.5	2.7136	1.5411	1.16	.4539	2.2031	.4600	.1003	.4431	.4535	12.2983	87.2124	20.5217	.0303	3.9884
4.5	2.7136	1.5411	1.16	.4539	2.2031	.5100	.2997	.4942	.5732	30.4394	81.5178	20.0023	.0317	3.9410
4.5	2.7136	1.5411	1.16	.4539	2.2031	.5600	.4057	.5459	.6742	35.9229	78.3024	19.4829	.0332	3.8935
4.5	2.7136	1.5411	1.16	.4539	2.2031	.6100	.4842	.5983	.7639	38.4404	75.7719	18.9635	.0348	3.8460
4.5	2.7136	1.5411	1.16	.4539	2.2031	.6600	.5471	.6514	.8461	39.6558	73.6058	18.4441	.0364	3.7985
4.5	2.7136	1.5411	1.16	.4539	2.2031	.7100	.5993	.7052	.9229	40.1693	71.6742	17.9248	.0382	3.7510
4.5	2.7136	1.5411	1.16	.4539	2.2031	.7600	.6436	.7597	.9955	40.2578	69.9094	17.4054	.0400	3.7034
4.5	2.7136	1.5411	1.16	.4539	2.2031	.8100	.6813	.8149	1.0649	40.0682	68.2706	16.8860	.0420	3.6559
4.5	2.7136	1.5411	1.16	.4539	2.2031	.8600	.7136	.8709	1.1317	39.6859	66.7313	16.3666	.0440	3.6083
4.5	2.7136	1.5411	1.16	.4539	2.2031	.9100	.7412	.9277	1.1965	39.1636	65.2730	15.8472	.0462	3.5607
4.5	2.7136	1.5411	1.16	.4539	2.2031	.9600	.7646	.9853	1.2596	38.5357	63.8824	15.3278	.0484	3.5131
4.5	2.7136	1.5411	1.16	.4539	2.2031	1.0100	.7841	1.0437	1.3213	37.8252	62.5495	14.8085	.0508	3.4654
4.5	2.7136	1.5411	1.16	.4539	2.2031	1.0600	.8002	1.1030	1.3819	37.0480	61.2668	14.2891	.0532	3.4177
4.5	2.7136	1.5411	1.16	.4539	2.2031	1.1100	.8128	1.1631	1.4417	36.2151	60.0286	13.7697	.0558	3.3700
4.5	2.7136	1.5411	1.16	.4539	2.2031	1.1600	.8224	1.2242	1.5007	35.3343	58.8303	13.2503	.0585	3.3223
4.5	2.7136	1.5411	1.16	.4539	2.2031	1.2100	.8288	1.2863	1.5591	34.4109	57.6687	12.7309	.0613	3.2745
4.5	2.7136	1.5411	1.16	.4539	2.2031	1.2600	.8323	1.3493	1.6172	33.4485	56.5414	12.2115	.0642	3.2266
4.5	2.7136	1.5411	1.16	.4539	2.2031	1.3100	.8329	1.4134	1.6749	32.4493	55.4467	11.6922	.0673	3.1787
4.5	2.7136	1.5411	1.16	.4539	2.2031	1.3600	.8306	1.4786	1.7325	31.4145	54.3841	11.1728	.0704	3.1307
4.5	2.7136	1.5411	1.16	.4539	2.2031	1.4100	.8254	1.5448	1.7901	30.3441	53.3536	10.6534	.0737	3.0827
4.5	2.7136	1.5411	1.16	.4539	2.2031	1.4600	.8172	1.6122	1.8476	29.2375	52.3565	10.1340	.0770	3.0345
4.5	2.7136	1.5411	1.16	.4539	2.2031	1.5100	.8060	1.6809	1.9054	28.0932	51.3949	9.6146	.0805	2.9863
4.5	2.7136	1.5411	1.16	.4539	2.2031	1.5600	.7917	1.7508	1.9633	26.9088	50.4727	9.0952	.0840	2.9380
4.5	2.7136	1.5411	1.16	.4539	2.2031	1.6100	.7742	1.8220	2.0217	25.6810	49.5955	8.5759	.0875	2.8895
4.5	2.7136	1.5411	1.16	.4539	2.2031	1.6600	.7532	1.8946	2.0805	24.4055	48.7717	8.0565	.0910	2.8408
4.5	2.7136	1.5411	1.16	.4539	2.2031	1.7100	.7286	1.9686	2.1399	23.0766	48.0133	7.5371	.0945	2.7920
4.5	2.7136	1.5411	1.16	.4539	2.2031	1.7600	.6999	2.0442	2.2000	21.6871	47.3380	7.0177	.0978	2.7429
4.5	2.7136	1.5411	1.16	.4539	2.2031	1.8100	.6669	2.1215	2.2609	20.2276	46.7717	6.4983	.1010	2.6936
4.5	2.7136	1.5411	1.16	.4539	2.2031	1.8600	.6291	2.2005	2.3229	18.6857	46.3542	5.9789	.1039	2.6438
4.5	2.7136	1.5411	1.16	.4539	2.2031	1.9100	.5856	2.2814	2.3862	17.0444	46.1482	5.4596	.1065	2.5936
4.5	2.7136	1.5411	1.16	.4539	2.2031	1.9600	.5355	2.3644	2.4511	15.2803	46.2581	4.9402	.1085	2.5428
4.5	2.7136	1.5411	1.16	.4539	2.2031	2.0100	.4773	2.4497	2.5179	13.3581	46.8701	4.4208	.1098	2.4911
4.5	2.7136	1.5411	1.16	.4539	2.2031	2.0600	.4087	2.5377	2.5872	11.2210	48.3514	3.9014	.1102	2.4383
4.5	2.7136	1.5411	1.16	.4539	2.2031	2.1100	.3252	2.6289	2.6599	8.7610	51.5490	3.3820	.1094	2.3839
4.5	2.7136	1.5411	1.16	.4539	2.2031	2.1600	.2153	2.7239	2.7374	5.6926	59.0826	2.8626	.1071	2.3268

4.5	2.7136	1.5411	1.20	.4785	2.0899	.4800	.0481	.4626	.4649	5.7235	88.6201	20.1420	.0299	4.2638
4.5	2.7136	1.5411	1.20	.4785	2.0899	.5300	.2755	.5137	.5790	27.4684	81.9460	19.6047	.0312	4.2147
4.5	2.7136	1.5411	1.20	.4785	2.0899	.5800	.3802	.5655	.6762	33.2463	78.6675	19.0674	.0325	4.1655
4.5	2.7136	1.5411	1.20	.4785	2.0899	.6300	.4563	.6179	.7630	35.9180	76.1229	18.5301	.0340	4.1164
4.5	2.7136	1.5411	1.20	.4785	2.0899	.6800	.5167	.6710	.8427	37.2302	73.9593	17.9928	.0354	4.0672
4.5	2.7136	1.5411	1.20	.4785	2.0899	.7300	.5664	.7247	.9173	37.8066	72.0388	17.4555	.0370	4.0179
4.5	2.7136	1.5411	1.20	.4785	2.0899	.7800	.6080	.7791	.9879	37.9352	70.2908	16.9182	.0386	3.9687
4.5	2.7136	1.5411	1.20	.4785	2.0899	.8300	.6431	.8343	1.0554	37.7688	68.6733	16.3809	.0403	3.9194
4.5	2.7136	1.5411	1.20	.4785	2.0899	.8800	.6727	.8902	1.1205	37.3965	67.1593	15.8436	.0420	3.8701
4.5	2.7136	1.5411	1.20	.4785	2.0899	.9300	.6976	.9468	1.1835	36.8735	65.7303	15.3063	.0439	3.8208
4.5	2.7136	1.5411	1.20	.4785	2.0899	.9800	.7182	1.0042	1.2450	36.2357	64.3731	14.7691	.0458	3.7714
4.5	2.7136	1.5411	1.20	.4785	2.0899	1.0300	.7349	1.0624	1.3051	35.5072	63.0781	14.2318	.0477	3.7220
4.5	2.7136	1.5411	1.20	.4785	2.0899	1.0800	.7480	1.1215	1.3641	34.7044	61.8384	13.6945	.0498	3.6726
4.5	2.7136	1.5411	1.20	.4785	2.0899	1.1300	.7576	1.1814	1.4223	33.8388	60.6488	13.1572	.0519	3.6231
4.5	2.7136	1.5411	1.20	.4785	2.0899	1.1800	.7639	1.2422	1.4798	32.9183	59.5059	12.6199	.0540	3.5735
4.5	2.7136	1.5411	1.20	.4785	2.0899	1.2300	.7670	1.3039	1.5366	31.9482	58.4074	12.0826	.0563	3.5239
4.5	2.7136	1.5411	1.20	.4785	2.0899	1.2800	.7670	1.3666	1.5931	30.9317	57.3523	11.5453	.0585	3.4742
4.5	2.7136	1.5411	1.20	.4785	2.0899	1.3300	.7639	1.4302	1.6493	29.8706	56.3412	11.0080	.0609	3.4244
4.5	2.7136	1.5411	1.20	.4785	2.0899	1.3800	.7576	1.4949	1.7054	28.7655	55.3755	10.4707	.0632	3.3746
4.5	2.7136	1.5411	1.20	.4785	2.0899	1.4300	.7481	1.5607	1.7613	27.6154	54.4588	9.9334	.0656	3.3246
4.5	2.7136	1.5411	1.20	.4785	2.0899	1.4800	.7353	1.6276	1.8173	26.4186	53.5963	9.3961	.0680	3.2745
4.5	2.7136	1.5411	1.20	.4785	2.0899	1.5300	.7190	1.6956	1.8735	25.1719	52.7959	8.8588	.0703	3.2243
4.5	2.7136	1.5411	1.20	.4785	2.0899	1.5800	.6992	1.7649	1.9300	23.8708	52.0694	8.3215	.0726	3.1738
4.5	2.7136	1.5411	1.20	.4785	2.0899	1.6300	.6755	1.8354	1.9868	22.5093	51.4334	7.7842	.0748	3.1232
4.5	2.7136	1.5411	1.20	.4785	2.0899	1.6800	.6476	1.9073	2.0441	21.0793	50.9122	7.2469	.0768	3.0723
4.5	2.7136	1.5411	1.20	.4785	2.0899	1.7300	.6150	1.9807	2.1021	19.5697	50.5422	6.7097	.0787	3.0210
4.5	2.7136	1.5411	1.20	.4785	2.0899	1.7800	.5772	2.0556	2.1609	17.9659	50.3787	6.1724	.0803	2.9694
4.5	2.7136	1.5411	1.20	.4785	2.0899	1.8300	.5333	2.1321	2.2208	16.2468	50.5106	5.6351	.0815	2.9172
4.5	2.7136	1.5411	1.20	.4785	2.0899	1.8800	.4821	2.2105	2.2820	14.3817	51.0880	5.0978	.0823	2.8644
4.5	2.7136	1.5411	1.20	.4785	2.0899	1.9300	.4216	2.2909	2.3449	12.3215	52.3875	4.5605	.0825	2.8106
4.5	2.7136	1.5411	1.20	.4785	2.0899	1.9800	.3483	2.3736	2.4101	9.9769	54.9859	4.0232	.0820	2.7555
4.5	2.7136	1.5411	1.20	.4785	2.0899	2.0300	.2543	2.4591	2.4783	7.1390	60.3782	3.4859	.0805	2.6985
4.5	2.7136	1.5411	1.20	.4785	2.0899	2.0800	.1011	2.5481	2.5511	2.7819	75.7225	2.9486	.0779	2.6387
4.5	2.7136	1.5411	1.24	.5049	1.9807	.5100	.0844	.4923	.4990	9.3993	87.4913	19.6369	.0297	4.5382
4.5	2.7136	1.5411	1.24	.5049	1.9807	.5600	.2718	.5436	.6042	25.8887	81.7605	19.0817	.0309	4.4874
4.5	2.7136	1.5411	1.24	.5049	1.9807	.6100	.3683	.5955	.6957	31.1236	78.6014	18.5265	.0321	4.4365
4.5	2.7136	1.5411	1.24	.5049	1.9807	.6600	.4388	.6481	.7782	33.6152	76.1298	17.9713	.0334	4.3857
4.5	2.7136	1.5411	1.24	.5049	1.9807	.7100	.4944	.7012	.8545	34.8502	74.0243	17.4161	.0347	4.3347
4.5	2.7136	1.5411	1.24	.5049	1.9807	.7600	.5398	.7551	.9262	35.3854	72.1560	16.8609	.0361	4.2838
4.5	2.7136	1.5411	1.24	.5049	1.9807	.8100	.5775	.8096	.9942	35.4852	70.4581	16.3057	.0375	4.2328
4.5	2.7136	1.5411	1.24	.5049	1.9807	.8600	.6088	.8648	1.0595	35.2932	68.8908	15.7505	.0389	4.1818
4.5	2.7136	1.5411	1.24	.5049	1.9807	.9100	.6347	.9207	1.1225	34.8939	67.4289	15.1953	.0404	4.1308
4.5	2.7136	1.5411	1.24	.5049	1.9807	.9600	.6559	.9773	1.1837	34.3404	66.0549	14.6401	.0420	4.0797
4.5	2.7136	1.5411	1.24	.5049	1.9807	1.0100	.6728	1.0348	1.2433	33.6674	64.7569	14.0849	.0435	4.0285
4.5	2.7136	1.5411	1.24	.5049	1.9807	1.0600	.6857	1.0929	1.3017	32.8981	63.5266	13.5297	.0452	3.9773
4.5	2.7136	1.5411	1.24	.5049	1.9807	1.1100	.6949	1.1519	1.3591	32.0484	62.3584	12.9745	.0468	3.9261
4.5	2.7136	1.5411	1.24	.5049	1.9807	1.1600	.7006	1.2118	1.4156	31.1291	61.2488	12.4193	.0485	3.8747
4.5	2.7136	1.5411	1.24	.5049	1.9807	1.2100	.7028	1.2725	1.4715	30.1474	60.1963	11.8641	.0502	3.8233
4.5	2.7136	1.5411	1.24	.5049	1.9807	1.2600	.7015	1.3341	1.5269	29.1078	59.2012	11.3089	.0519	3.7718
4.5	2.7136	1.5411	1.24	.5049	1.9807	1.3100	.6969	1.3966	1.5819	28.0127	58.2658	10.7537	.0536	3.7202
4.5	2.7136	1.5411	1.24	.5049	1.9807	1.3600	.6888	1.4601	1.6367	26.8625	57.3944	10.1985	.0553	3.6685
4.5	2.7136	1.5411	1.24	.5049	1.9807	1.4100	.6773	1.5246	1.6913	25.6560	56.5943	9.6433	.0569	3.6166
4.5	2.7136	1.5411	1.24	.5049	1.9807	1.4600	.6620	1.5901	1.7460	24.3905	55.8763	9.0881	.0585	3.5646
4.5	2.7136	1.5411	1.24	.5049	1.9807	1.5100	.6429	1.6568	1.8007	23.0612	55.2559	8.5329	.0601	3.5124
4.5	2.7136	1.5411	1.24	.5049	1.9807	1.5600	.6196	1.7246	1.8556	21.6614	54.7561	7.9777	.0615	3.4599
4.5	2.7136	1.5411	1.24	.5049	1.9807	1.6100	.5918	1.7936	1.9109	20.1815	54.4101	7.4225	.0627	3.4071
4.5	2.7136	1.5411	1.24	.5049	1.9807	1.6600	.5589	1.8639	1.9667	18.6079	54.2680	6.8673	.0638	3.3540
4.5	2.7136	1.5411	1.24	.5049	1.9807	1.7100	.5202	1.9355	2.0231	16.9217	54.4081	6.3121	.0645	3.3004
4.5	2.7136	1.5411	1.24	.5049	1.9807	1.7600	.4747	2.0087	2.0805	15.0944	54.9582	5.7569	.0650	3.2462
4.5	2.7136	1.5411	1.24	.5049	1.9807	1.8100	.4206	2.0835	2.1390	13.0808	56.1434	5.2017	.0651	3.1912
4.5	2.7136	1.5411	1.24	.5049	1.9807	1.8600	.3548	2.1601	2.1990	10.8006	58.4051	4.6464	.0647	3.1351
4.5	2.7136	1.5411	1.24	.5049	1.9807	1.9100	.2710	2.2388	2.2612	8.0753	62.7820	4.0912	.0636	3.0776
4.5	2.7136	1.5411	1.24	.5049	1.9807	1.9600	.1452	2.3200	2.3264	4.2354	73.0713	3.5360	.0618	3.0179
4.5	2.7136	1.5411	1.28	.5335	1.8744	.5400	.0904	.5220	.5293	9.5054	87.2148	19.1104	.0294	4.8211
4.5	2.7136	1.5411	1.28	.5335	1.8744	.5900	.2614	.5735	.6273	23.8932	81.7765	18.5373	.0305	4.7685
4.5	2.7136	1.5411	1.28	.5335	1.8744	.6400	.3514	.6256	.7137	28.7728	78.6981	17.9642	.0316	4.7160
4.5	2.7136	1.5411	1.28	.5335	1.8744	.6900	.4169	.6782	.7924	31.1391	76.2877	17.3910	.0327	4.6633
4.5	2.7136	1.5411	1.28	.5335	1.8744	.7400	.4681	.7315	.8656	32.3172	74.2381	16.8179	.0339	4.6107
4.5	2.7136	1.5411	1.28	.5335	1.8744	.7900	.5095	.7854	.9346	32.8184	72.4249	16.2448	.0350	4.5580
4.5	2.7136	1.5411	1.28	.5335	1.8744	.8400	.5432	.8400	1.0004	32.8908	70.7837	15.6717	.0362	4.5053
4.5	2.7136	1.5411	1.28	.5335	1.8744	.8900	.5707	.8953	1.0636	32.6707	69.2764	15.0986	.0375	4.4525
4.5	2.7136	1.5411	1.28	.5335	1.8744	.9400	.5929	.9512	1.1246	32.2396	67.8792	14.5255	.0387	4.3997
4.5	2.7136	1.5411	1.28	.5335	1.8744	.9900	.6102	1.0079	1.1840	31.6488	66.5761	13.9524	.0400	4.3468
4.5	2.7136	1.5411	1.28	.5335	1.8744	1.0400	.6232	1.0653	1.2420	30.9318	65.3569	13.3793	.0413	4.2938
4.5	2.7136	1.5411	1.28	.5335	1.8744	1.0900	.6321	1.1235	1.2988	30.1111	64.2151	12.8061	.0426	4.2408
4.5	2.7136	1.5411	1.28	.5335	1.8744	1.1400	.6372	1.1825	1.3546	29.2016	63.1475	12.2330	.0439	4.1877
4.5	2.7136	1.5411	1.28	.5335	1.8744	1.1900	.6384	1.2423	1.4097	28.2134	62.1535	11.6599	.0452	4.1345
4.5	2.7136	1.5411	1.28	.5335	1.8744	1.2400	.6360	1.3029	1.4643	27.1523	61.2352	11.0868	.0464	4.0811
4.5	2.7136	1.5411	1.28	.5335	1.8744	1.2900	.6298	1.3644	1.5183	26.0215	60.3979	10.5137	.0476	4.0277
4.5	2.7136	1.5411	1.28	.5335	1.8744	1.3400	.6198	1.4268	1.5720	24.8214	59.6503	9.9406	.0488	3.9741
4.5	2.7136	1.5411	1.28	.5335	1.8744	1.3900	.6058	1.4902	1.6256	23.5500	59.0059	9.3675	.0499	3.9203
4.5	2.7136	1.5411	1.28	.5335	1.8744	1.4400	.5877	1.5545	1.6790	22.2028	58.4843	8.7944	.0509	3.8662
4.5	2.7136	1.5411	1.28	.5335	1.8744	1.4900	.5652	1.6199	1.7325	20.7723	58.1147	8.2212	.0518	3.8120
4.5	2.7136	1.5411	1.28	.5335	1.8744	1.5400	.5377	1.6864	1.7862	19.2471	57.9401	7.6481	.0526	3.7573
4.5	2.7136	1.5411	1.28	.5335	1.8744	1.5900	.5047	1.7540	1.8403	17.6106	58.0260	7.0750	.0531	3.7023
4.5	2.7136	1.5411	1.28	.5335	1.8744	1.6400	.4652	1.8229	1.8948	15.8376	58.4769	6.5019	.0535	3.6468
4.5	2.7136	1.5411	1.28	.5335	1.8744	1.6900	.4179	1.8931	1.9501	13.8882	59.4688	5.9288	.0535	3.5906
4.5	2.7136	1.5411	1.28	.5335	1.8744	1.7400	.3601	1.9648	2.0064	11.6926	61.3282	5.3557	.0532	3.5336
4.5	2.7136	1.5411	1.28	.5335	1.8744	1.7900	.2869	2.0381	2.0641	9.1057	64.7575	4.7826	.0525	3.4754
4.5	2.7136	1.5411	1.28	.5335	1.8744	1.8400	.1831	2.1133	2.1237	5.6841	71.8451	4.2095	.0513	3.4156

4.5	2.7136	1.5411	1.32	.5650	1.7699	.5700	.0752	.5518	.5566	7.5202	87.5954	18.5623	.0291	5.1124
4.5	2.7136	1.5411	1.32	.5650	1.7699	.6200	.2438	.6034	.6484	21.4663	82.0324	17.9713	.0300	5.0581
4.5	2.7136	1.5411	1.32	.5650	1.7699	.6700	.3291	.6556	.7305	26.1588	78.9931	17.3803	.0310	5.0038
4.5	2.7136	1.5411	1.32	.5650	1.7699	.7200	.3902	.7084	.8058	28.4537	76.6323	16.7893	.0320	4.9494
4.5	2.7136	1.5411	1.32	.5650	1.7699	.7700	.4373	.7618	.8761	29.5958	74.6379	16.1983	.0329	4.8950
4.5	2.7136	1.5411	1.32	.5650	1.7699	.8200	.4748	.8158	.9427	30.0707	72.8854	15.6072	.0339	4.8406
4.5	2.7136	1.5411	1.32	.5650	1.7699	.8700	.5047	.8705	1.0064	30.1163	71.3112	15.0162	.0350	4.7861
4.5	2.7136	1.5411	1.32	.5650	1.7699	.9200	.5283	.9258	1.0676	29.8646	69.8786	14.4252	.0360	4.7315
4.5	2.7136	1.5411	1.32	.5650	1.7699	.9700	.5464	.9818	1.1269	29.3947	68.5653	13.8342	.0370	4.6768
4.5	2.7136	1.5411	1.32	.5650	1.7699	1.0200	.5597	1.0385	1.1846	28.7568	67.3573	13.2431	.0380	4.6221
4.5	2.7136	1.5411	1.32	.5650	1.7699	1.0700	.5685	1.0960	1.2411	27.9831	66.2470	12.6521	.0390	4.5673
4.5	2.7136	1.5411	1.32	.5650	1.7699	1.1200	.5730	1.1541	1.2964	27.0952	65.2311	12.0611	.0400	4.5124
4.5	2.7136	1.5411	1.32	.5650	1.7699	1.1700	.5733	1.2131	1.3509	26.1066	64.3106	11.4701	.0409	4.4573
4.5	2.7136	1.5411	1.32	.5650	1.7699	1.2200	.5696	1.2728	1.4047	25.0257	63.4905	10.8791	.0418	4.4021
4.5	2.7136	1.5411	1.32	.5650	1.7699	1.2700	.5616	1.3334	1.4580	23.8562	62.7805	10.2880	.0427	4.3468
4.5	2.7136	1.5411	1.32	.5650	1.7699	1.3200	.5494	1.3948	1.5108	22.5981	62.1963	9.6970	.0435	4.2912
4.5	2.7136	1.5411	1.32	.5650	1.7699	1.3700	.5327	1.4572	1.5635	21.2478	61.7616	9.1060	.0441	4.2355
4.5	2.7136	1.5411	1.32	.5650	1.7699	1.4200	.5112	1.5205	1.6160	19.7973	61.5116	8.5150	.0447	4.1794
4.5	2.7136	1.5411	1.32	.5650	1.7699	1.4700	.4843	1.5847	1.6685	18.2334	61.4998	7.9239	.0451	4.1230
4.5	2.7136	1.5411	1.32	.5650	1.7699	1.5200	.4512	1.6500	1.7212	16.5348	61.8088	7.3329	.0454	4.0661
4.5	2.7136	1.5411	1.32	.5650	1.7699	1.5700	.4109	1.7165	1.7743	14.6676	62.5739	6.7419	.0455	4.0088
4.5	2.7136	1.5411	1.32	.5650	1.7699	1.6200	.3613	1.7841	1.8279	12.5731	64.0330	6.1509	.0453	3.9507
4.5	2.7136	1.5411	1.32	.5650	1.7699	1.6700	.2985	1.8530	1.8824	10.1353	66.6610	5.5598	.0448	3.8917
4.5	2.7136	1.5411	1.32	.5650	1.7699	1.7200	.2127	1.9235	1.9381	7.0504	71.6645	4.9688	.0439	3.8315
4.5	2.7136	1.5411	1.36	.6002	1.6660	.6100	.0985	.5920	.5996	9.1683	86.7181	17.8710	.0288	5.4008
4.5	2.7136	1.5411	1.36	.6002	1.6660	.6600	.2374	.6438	.6842	19.7825	81.8949	17.2621	.0296	5.3448
4.5	2.7136	1.5411	1.36	.6002	1.6660	.7100	.3132	.6963	.7610	23.8051	79.0366	16.6532	.0305	5.2887
4.5	2.7136	1.5411	1.36	.6002	1.6660	.7600	.3674	.7493	.8323	25.7992	76.8044	16.0442	.0313	5.2326
4.5	2.7136	1.5411	1.36	.6002	1.6660	.8100	.4086	.8029	.8993	26.7685	74.9243	15.4353	.0321	5.1764
4.5	2.7136	1.5411	1.36	.6002	1.6660	.8600	.4405	.8572	.9631	27.1239	73.2840	14.8264	.0329	5.1201
4.5	2.7136	1.5411	1.36	.6002	1.6660	.9100	.4651	.9120	1.0243	27.0728	71.8265	14.2174	.0338	5.0638
4.5	2.7136	1.5411	1.36	.6002	1.6660	.9600	.4835	.9675	1.0833	26.7325	70.5198	13.6085	.0346	5.0074
4.5	2.7136	1.5411	1.36	.6002	1.6660	1.0100	.4964	1.0237	1.1407	26.1738	69.3459	12.9996	.0353	4.9508
4.5	2.7136	1.5411	1.36	.6002	1.6660	1.0600	.5043	1.0806	1.1967	25.4415	68.2958	12.3906	.0361	4.8942
4.5	2.7136	1.5411	1.36	.6002	1.6660	1.1100	.5074	1.1382	1.2515	24.5639	67.3676	11.7817	.0368	4.8374
4.5	2.7136	1.5411	1.36	.6002	1.6660	1.1600	.5058	1.1965	1.3053	23.5587	66.5655	11.1728	.0375	4.7805
4.5	2.7136	1.5411	1.36	.6002	1.6660	1.2100	.4996	1.2556	1.3585	22.4356	65.9003	10.5638	.0381	4.7234
4.5	2.7136	1.5411	1.36	.6002	1.6660	1.2600	.4887	1.3155	1.4110	21.1980	65.3908	9.9549	.0386	4.6661
4.5	2.7136	1.5411	1.36	.6002	1.6660	1.3100	.4727	1.3763	1.4631	19.8433	65.0666	9.3460	.0391	4.6085
4.5	2.7136	1.5411	1.36	.6002	1.6660	1.3600	.4514	1.4378	1.5150	18.3625	64.9731	8.7370	.0394	4.5506
4.5	2.7136	1.5411	1.36	.6002	1.6660	1.4100	.4240	1.5003	1.5667	16.7380	65.1807	8.1281	.0396	4.4924
4.5	2.7136	1.5411	1.36	.6002	1.6660	1.4600	.3895	1.5638	1.6185	14.9393	65.8027	7.5192	.0396	4.4336
4.5	2.7136	1.5411	1.36	.6002	1.6660	1.5100	.3462	1.6283	1.6705	12.9122	67.0344	6.9102	.0395	4.3743
4.5	2.7136	1.5411	1.36	.6002	1.6660	1.5600	.2905	1.6939	1.7230	10.5493	69.2522	6.3013	.0391	4.3143
4.5	2.7136	1.5411	1.36	.6002	1.6660	1.6100	.2143	1.7606	1.7762	7.5805	73.3599	5.6924	.0385	4.2532
4.5	2.7136	1.5411	1.36	.6002	1.6660	1.6600	.0710	1.8288	1.8305	2.4504	83.9198	5.0834	.0376	4.1909
4.5	2.7136	1.5411	1.40	.6407	1.5608	.6500	.0891	.6322	.6382	7.8086	86.8953	17.1511	.0284	5.6970
4.5	2.7136	1.5411	1.40	.6407	1.5608	.7000	.2184	.6844	.7169	17.3291	82.1949	16.5242	.0291	5.6392
4.5	2.7136	1.5411	1.40	.6407	1.5608	.7500	.2874	.7370	.7893	20.9654	79.4525	15.8974	.0298	5.5813
4.5	2.7136	1.5411	1.40	.6407	1.5608	.8000	.3356	.7903	.8570	22.7557	77.3363	15.2705	.0305	5.5233
4.5	2.7136	1.5411	1.40	.6407	1.5608	.8500	.3712	.8441	.9211	23.5896	75.5789	14.6437	.0312	5.4653
4.5	2.7136	1.5411	1.40	.6407	1.5608	.9000	.3976	.8986	.9824	23.8364	74.0732	14.0168	.0318	5.4072
4.5	2.7136	1.5411	1.40	.6407	1.5608	.9500	.4167	.9536	1.0413	23.6843	72.7668	13.3900	.0324	5.3490
4.5	2.7136	1.5411	1.40	.6407	1.5608	1.0000	.4294	1.0093	1.0985	23.2401	71.6332	12.7632	.0330	5.2906
4.5	2.7136	1.5411	1.40	.6407	1.5608	1.0500	.4364	1.0657	1.1541	22.5680	70.6611	12.1363	.0335	5.2321
4.5	2.7136	1.5411	1.40	.6407	1.5608	1.1000	.4379	1.1228	1.2085	21.7071	69.8503	11.5095	.0340	5.1735
4.5	2.7136	1.5411	1.40	.6407	1.5608	1.1500	.4341	1.1806	1.2619	20.6802	69.2109	10.8826	.0345	5.1146
4.5	2.7136	1.5411	1.40	.6407	1.5608	1.2000	.4249	1.2391	1.3144	19.4980	68.7641	10.2558	.0348	5.0555
4.5	2.7136	1.5411	1.40	.6407	1.5608	1.2500	.4100	1.2983	1.3664	18.1612	68.5462	9.6289	.0351	4.9962
4.5	2.7136	1.5411	1.40	.6407	1.5608	1.3000	.3890	1.3584	1.4179	16.6595	68.6149	9.0021	.0353	4.9365
4.5	2.7136	1.5411	1.40	.6407	1.5608	1.3500	.3609	1.4193	1.4692	14.9683	69.0641	8.3753	.0353	4.8765
4.5	2.7136	1.5411	1.40	.6407	1.5608	1.4000	.3242	1.4811	1.5203	13.0393	70.0538	7.7484	.0352	4.8159
4.5	2.7136	1.5411	1.40	.6407	1.5608	1.4500	.2759	1.5438	1.5715	10.7735	71.8854	7.1216	.0349	4.7547
4.5	2.7136	1.5411	1.40	.6407	1.5608	1.5000	.2088	1.6076	1.6231	7.9257	75.2541	6.4947	.0345	4.6927
4.5	2.7136	1.5411	1.40	.6407	1.5608	1.5500	.0897	1.6724	1.6752	3.3110	83.1223	5.8679	.0338	4.6297
4.5	2.7136	1.5411	1.44	.6890	1.4513	.6900	.0264	.6726	.6731	2.1925	89.0369	16.4024	.0279	6.0008
4.5	2.7136	1.5411	1.44	.6890	1.4513	.7400	.1838	.7250	.7470	13.9461	83.1126	15.7577	.0285	5.9411
4.5	2.7136	1.5411	1.44	.6890	1.4513	.7900	.2490	.7779	.8156	17.4930	80.3954	15.1129	.0290	5.8814
4.5	2.7136	1.5411	1.44	.6890	1.4513	.8400	.2922	.8314	.8802	19.1810	78.3827	14.4682	.0295	5.8216
4.5	2.7136	1.5411	1.44	.6890	1.4513	.8900	.3224	.8854	.9417	19.9156	76.7681	13.8234	.0300	5.7617
4.5	2.7136	1.5411	1.44	.6890	1.4513	.9400	.3432	.9401	1.0008	20.0575	75.4399	13.1787	.0305	5.7016
4.5	2.7136	1.5411	1.44	.6890	1.4513	.9900	.3562	.9953	1.0578	19.7870	74.3496	12.5339	.0309	5.6414
4.5	2.7136	1.5411	1.44	.6890	1.4513	1.0400	.3623	1.0512	1.1132	19.2042	73.4795	11.8892	.0313	5.5810
4.5	2.7136	1.5411	1.44	.6890	1.4513	1.0900	.3619	1.1078	1.1673	18.3655	72.8323	11.2444	.0316	5.5205
4.5	2.7136	1.5411	1.44	.6890	1.4513	1.1400	.3551	1.1651	1.2203	17.3004	72.4293	10.5997	.0318	5.4597
4.5	2.7136	1.5411	1.44	.6890	1.4513	1.1900	.3416	1.2230	1.2724	16.0178	72.3136	9.9549	.0320	5.3986
4.5	2.7136	1.5411	1.44	.6890	1.4513	1.2400	.3208	1.2817	1.3239	14.5063	72.5611	9.3102	.0320	5.3371
4.5	2.7136	1.5411	1.44	.6890	1.4513	1.2900	.2913	1.3412	1.3750	12.7267	73.3038	8.6654	.0320	5.2753
4.5	2.7136	1.5411	1.44	.6890	1.4513	1.3400	.2505	1.4015	1.4258	10.5872	74.7917	8.0207	.0318	5.2129
4.5	2.7136	1.5411	1.44	.6890	1.4513	1.3900	.1916	1.4627	1.4765	7.8489	77.5976	7.3759	.0314	5.1499
4.5	2.7136	1.5411	1.44	.6890	1.4513	1.4400	.0846	1.5247	1.5274	3.3616	84.1203	6.7311	.0309	5.0861
4.5	2.7136	1.5411	1.48	.7511	1.3314	.7600	.0689	.7446	.7477	5.1786	87.3183	15.2275	.0275	6.2752
4.5	2.7136	1.5411	1.48	.7511	1.3314	.8100	.1687	.7975	.8146	11.7622	83.2292	14.5649	.0279	6.2136
4.5	2.7136	1.5411	1.48	.7511	1.3314	.8600	.2176	.8510	.8778	14.2000	80.9782	13.9022	.0283	6.1519
4.5	2.7136	1.5411	1.48	.7511	1.3314	.9100	.2480	.9050	.9380	15.2444	79.3640	13.2396	.0287	6.0901
4.5	2.7136	1.5411	1.48	.7511	1.3314	.9600	.2663	.9596	.9959	15.5050	78.1618	12.5769	.0289	6.0281
4.5	2.7136	1.5411	1.48	.7511	1.3314	1.0100	.2751	1.0149	1.0518	15.2357	77.2992	11.9142	.0292	5.9659
4.5	2.7136	1.5411	1.48	.7511	1.3314	1.0600	.2753	1.0707	1.1063	14.5595	76.7649	11.2516	.0294	5.9035
4.5	2.7136	1.5411	1.48	.7511	1.3314	1.1100	.2671	1.1272	1.1594	13.5322	76.5908	10.5889	.0295	5.8408
4.5	2.7136	1.5411	1.48	.7511	1.3314	1.1600	.2500	1.1844	1.2116	12.1600	76.8581	9.9263	.0295	5.7778
4.5	2.7136	1.5411	1.48	.7511	1.3314	1.2100	.2219	1.2423	1.2630	10.3917	77.7334	9.2636	.0294	5.7144
4.5	2.7136	1.5411	1.48	.7511	1.3314	1.2600	.1783	1.3009	1.3139	8.0554	79.5891	8.6009	.0292	5.6505
4.5	2.7136	1.5411	1.48	.7511	1.3314	1.3100	.1018	1.3603	1.3644	4.4429	83.6906	7.9383	.0289	5.5860
4.5	2.7136	1.5411	1.52	.8468	1.1809	.8500	.0311	.8385	.8390	2.0970	88.6803	13.7303	.0270	6.5293
4.5	2.7136	1.5411	1.52	.8468	1.1809	.9000	.1170	.8922	.8997	7.4091	84.8598	13.0497	.0272	6.4656
4.5	2.7136	1.5411	1.52	.8468	1.1809	.9500	.1474	.9464	.9578	8.8216	83.2787	12.3691	.0273	6.4017
4.5	2.7136	1.5411	1.52	.8468	1.1809	1.0000	.1586	1.0013	1.0138	9.0099	82.4792	11.6886	.0274	6.3376
4.5	2.7136	1.5411	1.52	.8468	1.1809	1.0500	.1549	1.0567	1.0681	8.3894	82.3377	11.0080	.0275	6.2732
4.5	2.7136	1.5411	1.52	.8468	1.1809	1.1000	.1354	1.1128	1.1212	7.0175	82.9890	10.3274	.0274	6.2085
4.5	2.7136	1.5411	1.52	.8468	1.1809	1.1500	.0912	1.1695	1.1732	4.5337	85.0415	9.6469	.0273	6.1434

LOOP BRANCH (M1 FROM 1 TO 5)

GAMMA = 1.2

M1	M1*	DELMAX	DFL	XMIN	XMAX	X(M2U*)	Y(M2V*)	M2U	M2	THETA	SIGMA	PR21	PTR21	TR21
5.0	2.8031	1.5799	1.00	.3568	2.8031	.3600	.0873	.3454	.3554	13.6255	87.9544	27.1471	.0159	3.4563
5.0	2.8031	1.5799	1.00	.3568	2.8031	.4100	.3496	.3962	.5207	40.4534	81.6886	26.6119	.0170	3.4076
5.0	2.8031	1.5799	1.00	.3568	2.8031	.4600	.4815	.4477	.6481	46.3073	78.3877	26.0768	.0182	3.3589
5.0	2.8031	1.5799	1.00	.3568	2.8031	.5100	.5800	.5000	.7572	48.6766	75.8045	25.5417	.0194	3.3102
5.0	2.8031	1.5799	1.00	.3568	2.8031	.5600	.6604	.5531	.8552	49.7014	73.5955	25.0065	.0208	3.2615
5.0	2.8031	1.5799	1.00	.3568	2.8031	.6100	.7285	.6071	.9456	50.0595	71.6242	24.4714	.0223	3.2127
5.0	2.8031	1.5799	1.00	.3568	2.8031	.6600	.7876	.6619	1.0305	50.0387	69.8202	23.9363	.0239	3.1640
5.0	2.8031	1.5799	1.00	.3568	2.8031	.7100	.8397	.7175	1.1113	49.7829	68.1411	23.4012	.0256	3.1153
5.0	2.8031	1.5799	1.00	.3568	2.8031	.7600	.8858	.7742	1.1889	49.3722	66.5593	22.8660	.0275	3.0665
5.0	2.8031	1.5799	1.00	.3568	2.8031	.8100	.9270	.8317	1.2641	48.8546	65.0554	22.3309	.0296	3.0178
5.0	2.8031	1.5799	1.00	.3568	2.8031	.8600	.9639	.8903	1.3373	48.2603	63.6153	21.7958	.0318	2.9691
5.0	2.8031	1.5799	1.00	.3568	2.8031	.9100	.9969	.9499	1.4089	47.6094	62.2283	21.2606	.0343	2.9203
5.0	2.8031	1.5799	1.00	.3568	2.8031	.9600	1.0264	1.0105	1.4794	46.9153	60.8859	20.7255	.0370	2.8715
5.0	2.8031	1.5799	1.00	.3568	2.8031	1.0100	1.0528	1.0723	1.5489	46.1876	59.5815	20.1904	.0399	2.8228
5.0	2.8031	1.5799	1.00	.3568	2.8031	1.0600	1.0761	1.1352	1.6177	45.4329	58.3094	19.6553	.0431	2.7740
5.0	2.8031	1.5799	1.00	.3568	2.8031	1.1100	1.0968	1.1994	1.6861	44.6562	57.0650	19.1201	.0467	2.7252
5.0	2.8031	1.5799	1.00	.3568	2.8031	1.1600	1.1148	1.2648	1.7541	43.8607	55.8445	18.5850	.0506	2.6765
5.0	2.8031	1.5799	1.00	.3568	2.8031	1.2100	1.1303	1.3315	1.8220	43.0490	54.6442	18.0499	.0548	2.6277
5.0	2.8031	1.5799	1.00	.3568	2.8031	1.2600	1.1434	1.3996	1.8899	42.2229	53.4613	17.5147	.0595	2.5789
5.0	2.8031	1.5799	1.00	.3568	2.8031	1.3100	1.1543	1.4691	1.9580	41.3836	52.2932	16.9796	.0647	2.5301
5.0	2.8031	1.5799	1.00	.3568	2.8031	1.3600	1.1629	1.5401	2.0263	40.5318	51.1373	16.4445	.0705	2.4812
5.0	2.8031	1.5799	1.00	.3568	2.8031	1.4100	1.1693	1.6126	2.0950	39.6680	49.9914	15.9093	.0768	2.4324
5.0	2.8031	1.5799	1.00	.3568	2.8031	1.4600	1.1735	1.6869	2.1642	38.7922	48.8536	15.3742	.0838	2.3836
5.0	2.8031	1.5799	1.00	.3568	2.8031	1.5100	1.1757	1.7628	2.2341	37.9045	47.7218	14.8391	.0916	2.3347
5.0	2.8031	1.5799	1.00	.3568	2.8031	1.5600	1.1757	1.8405	2.3047	37.0045	46.5943	14.3040	.1003	2.2858
5.0	2.8031	1.5799	1.00	.3568	2.8031	1.6100	1.1737	1.9202	2.3762	36.0917	45.4693	13.7688	.1099	2.2369
5.0	2.8031	1.5799	1.00	.3568	2.8031	1.6600	1.1695	2.0018	2.4487	35.1654	44.3450	13.2337	.1206	2.1880
5.0	2.8031	1.5799	1.00	.3568	2.8031	1.7100	1.1632	2.0855	2.5223	34.2246	43.2197	12.6986	.1325	2.1391
5.0	2.8031	1.5799	1.00	.3568	2.8031	1.7600	1.1547	2.1715	2.5972	33.2685	42.0916	12.1634	.1459	2.0901
5.0	2.8031	1.5799	1.00	.3568	2.8031	1.8100	1.1440	2.2598	2.6734	32.2955	40.9590	11.6283	.1608	2.0412
5.0	2.8031	1.5799	1.00	.3568	2.8031	1.8600	1.1311	2.3507	2.7512	31.3044	39.8200	11.0932	.1775	1.9921
5.0	2.8031	1.5799	1.00	.3568	2.8031	1.9100	1.1158	2.4441	2.8306	30.2933	38.6726	10.5581	.1962	1.9431
5.0	2.8031	1.5799	1.00	.3568	2.8031	1.9600	1.0981	2.5404	2.9119	29.2601	37.5148	10.0229	.2171	1.8940
5.0	2.8031	1.5799	1.00	.3568	2.8031	2.0100	1.0779	2.6397	2.9953	28.2026	36.3444	9.4878	.2407	1.8448
5.0	2.8031	1.5799	1.00	.3568	2.8031	2.0600	1.0550	2.7422	3.0808	27.1178	35.1589	8.9527	.2671	1.7956
5.0	2.8031	1.5799	1.00	.3568	2.8031	2.1100	1.0292	2.8481	3.1688	26.0025	33.9555	8.4175	.2967	1.7464
5.0	2.8031	1.5799	1.00	.3568	2.8031	2.1600	1.0005	2.9577	3.2595	24.8527	32.7312	7.8824	.3300	1.6970
5.0	2.8031	1.5799	1.00	.3568	2.8031	2.2100	.9684	3.0712	3.3532	23.6636	31.4826	7.3473	.3674	1.6475
5.0	2.8031	1.5799	1.00	.3568	2.8031	2.2600	.9329	3.1891	3.4501	22.4295	30.2055	6.8121	.4092	1.5980
5.0	2.8031	1.5799	1.00	.3568	2.8031	2.3100	.8934	3.3116	3.5506	21.1432	28.8952	6.2770	.4558	1.5482
5.0	2.8031	1.5799	1.00	.3568	2.8031	2.3600	.8494	3.4392	3.6552	19.7956	27.5460	5.7419	.5076	1.4983
5.0	2.8031	1.5799	1.00	.3568	2.8031	2.4100	.8005	3.5724	3.7643	18.3751	26.1508	5.2068	.5647	1.4481
5.0	2.8031	1.5799	1.00	.3568	2.8031	2.4600	.7458	3.7119	3.8788	16.8664	24.7010	4.6716	.6271	1.3975
5.0	2.8031	1.5799	1.00	.3568	2.8031	2.5100	.6842	3.8585	3.9993	15.2487	23.1853	4.1365	.6942	1.3465
5.0	2.8031	1.5799	1.00	.3568	2.8031	2.5600	.6142	4.0132	4.1271	13.4925	21.5889	3.6014	.7646	1.2947
5.0	2.8031	1.5799	1.00	.3568	2.8031	2.6100	.5336	4.1776	4.2640	11.5540	19.8914	3.0662	.8357	1.2419
5.0	2.8031	1.5799	1.00	.3568	2.8031	2.6600	.4386	4.3542	4.4130	9.3641	18.0632	2.5311	.9029	1.1875
5.0	2.8031	1.5799	1.00	.3568	2.8031	2.7100	.3233	4.5475	4.5797	6.8029	16.0586	1.9960	.9588	1.1300
5.0	2.8031	1.5799	1.00	.3568	2.8031	2.7600	.1753	4.7674	4.7770	3.6344	13.8000	1.4608	.9931	1.0664
5.0	2.8031	1.5799	1.04	.3756	2.6627	.3800	.0987	.3649	.3770	14.5552	87.6148	26.7703	.0158	3.7326
5.0	2.8031	1.5799	1.04	.3756	2.6627	.4300	.3413	.4157	.5308	38.4438	81.6251	26.2138	.0168	3.6819
5.0	2.8031	1.5799	1.04	.3756	2.6627	.4800	.4672	.4673	.6521	44.2284	78.3622	25.6573	.0179	3.6312
5.0	2.8031	1.5799	1.04	.3756	2.6627	.5300	.5614	.5196	.7569	46.6459	75.8010	25.1007	.0191	3.5805
5.0	2.8031	1.5799	1.04	.3756	2.6627	.5800	.6379	.5727	.8513	47.7229	73.6082	24.5442	.0203	3.5298
5.0	2.8031	1.5799	1.04	.3756	2.6627	.6300	.7027	.6266	.9386	48.1224	71.6506	23.9877	.0217	3.4791
5.0	2.8031	1.5799	1.04	.3756	2.6627	.6800	.7587	.6813	1.0208	48.1314	69.8586	23.4311	.0231	3.4284
5.0	2.8031	1.5799	1.04	.3756	2.6627	.7300	.8078	.7369	1.0990	47.8954	68.1906	22.8746	.0247	3.3776
5.0	2.8031	1.5799	1.04	.3756	2.6627	.7800	.8511	.7933	1.1742	47.4963	66.6194	22.3181	.0264	3.3269
5.0	2.8031	1.5799	1.04	.3756	2.6627	.8300	.8895	.8507	1.2469	46.9834	65.1258	21.7615	.0282	3.2762
5.0	2.8031	1.5799	1.04	.3756	2.6627	.8800	.9237	.9090	1.3178	46.3879	63.6959	21.2050	.0301	3.2255
5.0	2.8031	1.5799	1.04	.3756	2.6627	.9300	.9540	.9683	1.3872	45.7307	62.3191	20.6485	.0323	3.1747
5.0	2.8031	1.5799	1.04	.3756	2.6627	.9800	.9809	1.0286	1.4553	45.0259	60.9871	20.0919	.0346	3.1240
5.0	2.8031	1.5799	1.04	.3756	2.6627	1.0300	1.0046	1.0900	1.5225	44.2836	59.6932	19.5354	.0371	3.0732
5.0	2.8031	1.5799	1.04	.3756	2.6627	1.0800	1.0253	1.1524	1.5890	43.5106	58.4320	18.9788	.0399	3.0224
5.0	2.8031	1.5799	1.04	.3756	2.6627	1.1300	1.0432	1.2160	1.6550	42.7121	57.1989	18.4223	.0428	2.9717
5.0	2.8031	1.5799	1.04	.3756	2.6627	1.1800	1.0584	1.2808	1.7206	41.8917	55.9901	17.8658	.0461	2.9209
5.0	2.8031	1.5799	1.04	.3756	2.6627	1.2300	1.0712	1.3469	1.7861	41.0520	54.8023	17.3092	.0496	2.8701
5.0	2.8031	1.5799	1.04	.3756	2.6627	1.2800	1.0815	1.4142	1.8514	40.1947	53.6325	16.7527	.0534	2.8192
5.0	2.8031	1.5799	1.04	.3756	2.6627	1.3300	1.0894	1.4829	1.9168	39.3211	52.4782	16.1962	.0576	2.7684
5.0	2.8031	1.5799	1.04	.3756	2.6627	1.3800	1.0950	1.5530	1.9825	38.4318	51.3371	15.6396	.0622	2.7176
5.0	2.8031	1.5799	1.04	.3756	2.6627	1.4300	1.0984	1.6245	2.0484	37.5273	50.2072	15.0831	.0672	2.6667
5.0	2.8031	1.5799	1.04	.3756	2.6627	1.4800	1.0994	1.6976	2.1147	36.6074	49.0865	14.5266	.0726	2.6158
5.0	2.8031	1.5799	1.04	.3756	2.6627	1.5300	1.0983	1.7723	2.1816	35.6719	47.9735	13.9700	.0786	2.5649
5.0	2.8031	1.5799	1.04	.3756	2.6627	1.5800	1.0949	1.8486	2.2491	34.7202	46.8664	13.4135	.0851	2.5139
5.0	2.8031	1.5799	1.04	.3756	2.6627	1.6300	1.0892	1.9268	2.3173	33.7516	45.7637	12.8570	.0922	2.4630
5.0	2.8031	1.5799	1.04	.3756	2.6627	1.6800	1.0812	2.0068	2.3864	32.7649	44.6641	12.3004	.1000	2.4120
5.0	2.8031	1.5799	1.04	.3756	2.6627	1.7300	1.0709	2.0887	2.4565	31.7588	43.5663	11.7439	.1086	2.3609
5.0	2.8031	1.5799	1.04	.3756	2.6627	1.7800	1.0582	2.1727	2.5277	30.7317	42.4690	11.1874	.1179	2.3098
5.0	2.8031	1.5799	1.04	.3756	2.6627	1.8300	1.0430	2.2589	2.6000	29.6816	41.3712	10.6308	.1282	2.2587
5.0	2.8031	1.5799	1.04	.3756	2.6627	1.8800	1.0253	2.3474	2.6737	28.6063	40.2716	10.0743	.1394	2.2075
5.0	2.8031	1.5799	1.04	.3756	2.6627	1.9300	1.0048	2.4383	2.7489	27.5030	39.1696	9.5178	.1516	2.1562
5.0	2.8031	1.5799	1.04	.3756	2.6627	1.9800	.9815	2.5318	2.8258	26.3685	38.0644	8.9612	.1650	2.1049
5.0	2.8031	1.5799	1.04	.3756	2.6627	2.0300	.9552	2.6280	2.9044	25.1988	36.9555	8.4047	.1795	2.0534
5.0	2.8031	1.5799	1.04	.3756	2.6627	2.0800	.9256	2.7272	2.9851	23.9892	35.8431	7.8482	.1952	2.0018
5.0	2.8031	1.5799	1.04	.3756	2.6627	2.1300	.8925	2.8296	3.0679	22.7340	34.7278	7.2916	.2123	1.9501
5.0	2.8031	1.5799	1.04	.3756	2.6627	2.1800	.8555	2.9353	3.1532	21.4261	33.6115	6.7351	.2305	1.8982
5.0	2.8031	1.5799	1.04	.3756	2.6627	2.2300	.8141	3.0447	3.2413	20.0566	32.4979	6.1786	.2499	1.8461
5.0	2.8031	1.5799	1.04	.3756	2.6627	2.2800	.7679	3.1582	3.3325	18.6139	31.3939	5.6220	.2703	1.7937
5.0	2.8031	1.5799	1.04	.3756	2.6627	2.3300	.7160	3.2760	3.4273	17.0829	30.3122	5.0655	.2914	1.7408
5.0	2.8031	1.5799	1.04	.3756	2.6627	2.3800	.6575	3.3989	3.5262	15.4434	29.2770	4.5089	.3127	1.6874
5.0	2.8031	1.5799	1.04	.3756	2.6627	2.4300	.5909	3.5273	3.6301	13.6665	28.3359	3.9524	.3333	1.6333
5.0	2.8031	1.5799	1.04	.3756	2.6627	2.4800	.5140	3.6624	3.7402	11.7099	27.5910	3.3959	.3521	1.5780
5.0	2.8031	1.5799	1.04	.3756	2.6627	2.5300	.4237	3.8056	3.8586	9.5064	27.2952	2.8393	.3672	1.5210
5.0	2.8031	1.5799	1.04	.3756	2.6627	2.5800	.3139	3.9598	3.9891	6.9376	28.2420	2.2828	.3759	1.4609
5.0	2.8031	1.5799	1.04	.3756	2.6627	2.6300	.1717	4.1308	4.1396	3.7357	34.2372	1.7263	.3750	1.3950

5.0	2.8031	1.5799	1.08	.3952	2.5306	.4000	.0994	.3844	.3960	13.9526	87.5229	26.3765	.0158	4.0194
5.0	2.8031	1.5799	1.08	.3952	2.5306	.4500	.3306	.4353	.5401	36.3016	81.6317	25.7985	.0167	3.9667
5.0	2.8031	1.5799	1.08	.3952	2.5306	.5000	.4513	.4869	.6559	42.0715	78.3924	25.2206	.0177	3.9140
5.0	2.8031	1.5799	1.08	.3952	2.5306	.5500	.5414	.5392	.7566	44.5497	75.8480	24.6427	.0187	3.8613
5.0	2.8031	1.5799	1.08	.3952	2.5306	.6000	.6145	.5923	.8478	45.6834	73.6696	24.0647	.0199	3.8087
5.0	2.8031	1.5799	1.08	.3952	2.5306	.6500	.6761	.6461	.9323	46.1261	71.7251	23.4868	.0211	3.7560
5.0	2.8031	1.5799	1.08	.3952	2.5306	.7000	.7291	.7008	1.0118	46.1658	69.9458	22.9088	.0224	3.7033
5.0	2.8031	1.5799	1.08	.3952	2.5306	.7500	.7753	.7562	1.0876	45.9499	68.2902	22.3309	.0238	3.6506
5.0	2.8031	1.5799	1.08	.3952	2.5306	.8000	.8159	.8125	1.1605	45.5621	66.7314	21.7530	.0253	3.5979
5.0	2.8031	1.5799	1.08	.3952	2.5306	.8500	.8516	.8697	1.2311	45.0530	65.2505	21.1750	.0269	3.5451
5.0	2.8031	1.5799	1.08	.3952	2.5306	.9000	.8830	.9278	1.2998	44.4552	63.8336	20.5971	.0286	3.4924
5.0	2.8031	1.5799	1.08	.3952	2.5306	.9500	.9107	.9868	1.3670	43.7904	62.4703	20.0191	.0304	3.4396
5.0	2.8031	1.5799	1.08	.3952	2.5306	1.0000	.9349	1.0468	1.4330	43.0732	61.1524	19.4412	.0324	3.3869
5.0	2.8031	1.5799	1.08	.3952	2.5306	1.0500	.9559	1.1078	1.4981	42.3140	59.8734	18.8633	.0346	3.3341
5.0	2.8031	1.5799	1.08	.3952	2.5306	1.1000	.9739	1.1698	1.5625	41.5203	58.6280	18.2853	.0369	3.2813
5.0	2.8031	1.5799	1.08	.3952	2.5306	1.1500	.9891	1.2330	1.6263	40.6973	57.4117	17.7074	.0394	3.2285
5.0	2.8031	1.5799	1.08	.3952	2.5306	1.2000	1.0015	1.2972	1.6897	39.8487	56.2209	17.1294	.0421	3.1757
5.0	2.8031	1.5799	1.08	.3952	2.5306	1.2500	1.0114	1.3627	1.7529	38.9771	55.0524	16.5515	.0449	3.1229
5.0	2.8031	1.5799	1.08	.3952	2.5306	1.3000	1.0188	1.4293	1.8159	38.0843	53.9036	15.9736	.0480	3.0700
5.0	2.8031	1.5799	1.08	.3952	2.5306	1.3500	1.0236	1.4973	1.8790	37.1716	52.7721	15.3956	.0514	3.0171
5.0	2.8031	1.5799	1.08	.3952	2.5306	1.4000	1.0261	1.5665	1.9422	36.2393	51.6560	14.8177	.0550	2.9642
5.0	2.8031	1.5799	1.08	.3952	2.5306	1.4500	1.0262	1.6371	2.0057	35.2878	50.5536	14.2397	.0589	2.9113
5.0	2.8031	1.5799	1.08	.3952	2.5306	1.5000	1.0239	1.7092	2.0694	34.3167	49.4634	13.6618	.0631	2.8583
5.0	2.8031	1.5799	1.08	.3952	2.5306	1.5500	1.0191	1.7828	2.1337	33.3254	48.3841	13.0839	.0676	2.8053
5.0	2.8031	1.5799	1.08	.3952	2.5306	1.6000	1.0120	1.8580	2.1984	32.3129	47.3149	12.5059	.0725	2.7522
5.0	2.8031	1.5799	1.08	.3952	2.5306	1.6500	1.0023	1.9348	2.2638	31.2779	46.2550	11.9280	.0777	2.6991
5.0	2.8031	1.5799	1.08	.3952	2.5306	1.7000	.9902	2.0133	2.3300	30.2188	45.2040	11.3500	.0833	2.6460
5.0	2.8031	1.5799	1.08	.3952	2.5306	1.7500	.9754	2.0937	2.3970	29.1335	44.1617	10.7721	.0893	2.5927
5.0	2.8031	1.5799	1.08	.3952	2.5306	1.8000	.9579	2.1760	2.4649	28.0194	43.1286	10.1942	.0957	2.5394
5.0	2.8031	1.5799	1.08	.3952	2.5306	1.8500	.9375	2.2604	2.5340	26.8734	42.1057	9.6162	.1026	2.4860
5.0	2.8031	1.5799	1.08	.3952	2.5306	1.9000	.9141	2.3468	2.6043	25.6919	41.0945	9.0383	.1099	2.4325
5.0	2.8031	1.5799	1.08	.3952	2.5306	1.9500	.8874	2.4356	2.6760	24.4702	40.0981	8.4603	.1175	2.3789
5.0	2.8031	1.5799	1.08	.3952	2.5306	2.0000	.8573	2.5268	2.7492	23.2029	39.1209	7.8824	.1256	2.3251
5.0	2.8031	1.5799	1.08	.3952	2.5306	2.0500	.8234	2.6206	2.8240	21.8831	38.1699	7.3045	.1340	2.2711
5.0	2.8031	1.5799	1.08	.3952	2.5306	2.1000	.7852	2.7171	2.9009	20.5022	37.2560	6.7265	.1427	2.2169
5.0	2.8031	1.5799	1.08	.3952	2.5306	2.1500	.7424	2.8167	2.9799	19.0490	36.3965	6.1486	.1515	2.1623
5.0	2.8031	1.5799	1.08	.3952	2.5306	2.2000	.6940	2.9195	3.0614	17.5090	35.6199	5.5706	.1602	2.1074
5.0	2.8031	1.5799	1.08	.3952	2.5306	2.2500	.6393	3.0260	3.1458	15.8626	34.9743	4.9927	.1685	2.0519
5.0	2.8031	1.5799	1.08	.3952	2.5306	2.3000	.5770	3.1366	3.2337	14.0822	34.5479	4.4148	.1760	1.9956
5.0	2.8031	1.5799	1.08	.3952	2.5306	2.3500	.5049	3.2518	3.3260	12.1268	34.5159	3.8368	.1822	1.9382
5.0	2.8031	1.5799	1.08	.3952	2.5306	2.4000	.4202	3.3728	3.4241	9.9302	35.2770	3.2589	.1864	1.8792
5.0	2.8031	1.5799	1.08	.3952	2.5306	2.4500	.3169	3.5010	3.5302	7.3700	37.9620	2.6809	.1873	1.8174
5.0	2.8031	1.5799	1.08	.3952	2.5306	2.5000	.1799	3.6398	3.6492	4.1162	47.6315	2.1030	.1838	1.7508

5.0	2.8031	1.5799	1.12	.4157	2.4056	.4200	.0904	.4039	.4131	12.1472	87.6772	25.9655	.0156	4.3167
5.0	2.8031	1.5799	1.12	.4157	2.4056	.4700	.3172	.4548	.5487	34.0117	81.7173	25.3662	.0165	4.2621
5.0	2.8031	1.5799	1.12	.4157	2.4056	.5200	.4336	.5065	.6594	39.8242	78.4860	24.7668	.0174	4.2074
5.0	2.8031	1.5799	1.12	.4157	2.4056	.5700	.5201	.5588	.7565	42.3780	75.9529	24.1675	.0184	4.1528
5.0	2.8031	1.5799	1.12	.4157	2.4056	.6200	.5899	.6119	.8446	43.5741	73.7868	23.5681	.0194	4.0981
5.0	2.8031	1.5799	1.12	.4157	2.4056	.6700	.6484	.6657	.9264	44.0629	71.8552	22.9688	.0205	4.0434
5.0	2.8031	1.5799	1.12	.4157	2.4056	.7200	.6986	.7202	1.0035	44.1344	70.0893	22.3694	.0216	3.9887
5.0	2.8031	1.5799	1.12	.4157	2.4056	.7700	.7420	.7756	1.0771	43.9389	68.4479	21.7701	.0229	3.9340
5.0	2.8031	1.5799	1.12	.4157	2.4056	.8200	.7798	.8318	1.1478	43.5619	66.9039	21.1707	.0242	3.8793
5.0	2.8031	1.5799	1.12	.4157	2.4056	.8700	.8129	.8888	1.2163	43.0559	65.4387	20.5714	.0256	3.8246
5.0	2.8031	1.5799	1.12	.4157	2.4056	.9200	.8417	.9466	1.2830	42.4545	64.0385	19.9721	.0271	3.7698
5.0	2.8031	1.5799	1.12	.4157	2.4056	.9700	.8667	1.0054	1.3483	41.7801	62.6930	19.3727	.0287	3.7151
5.0	2.8031	1.5799	1.12	.4157	2.4056	1.0200	.8882	1.0651	1.4123	41.0483	61.3941	18.7734	.0304	3.6603
5.0	2.8031	1.5799	1.12	.4157	2.4056	1.0700	.9065	1.1258	1.4755	40.2697	60.1357	18.1740	.0322	3.6055
5.0	2.8031	1.5799	1.12	.4157	2.4056	1.1200	.9217	1.1875	1.5378	39.4521	58.9125	17.5747	.0342	3.5507
5.0	2.8031	1.5799	1.12	.4157	2.4056	1.1700	.9340	1.2502	1.5997	38.6008	57.7204	16.9753	.0362	3.4958
5.0	2.8031	1.5799	1.12	.4157	2.4056	1.2200	.9436	1.3139	1.6611	37.7197	56.5560	16.3760	.0384	3.4410
5.0	2.8031	1.5799	1.12	.4157	2.4056	1.2700	.9505	1.3788	1.7222	36.8115	55.4165	15.7766	.0408	3.3861
5.0	2.8031	1.5799	1.12	.4157	2.4056	1.3200	.9547	1.4449	1.7832	35.8777	54.2997	15.1773	.0433	3.3311
5.0	2.8031	1.5799	1.12	.4157	2.4056	1.3700	.9564	1.5121	1.8442	34.9195	53.2037	14.5779	.0459	3.2762
5.0	2.8031	1.5799	1.12	.4157	2.4056	1.4200	.9555	1.5807	1.9052	33.9371	52.1273	13.9786	.0488	3.2212
5.0	2.8031	1.5799	1.12	.4157	2.4056	1.4700	.9521	1.6505	1.9664	32.9303	51.0693	13.3793	.0517	3.1661
5.0	2.8031	1.5799	1.12	.4157	2.4056	1.5200	.9461	1.7217	2.0279	31.8985	50.0293	12.7799	.0549	3.1110
5.0	2.8031	1.5799	1.12	.4157	2.4056	1.5700	.9374	1.7943	2.0898	30.8405	49.0072	12.1806	.0583	3.0559
5.0	2.8031	1.5799	1.12	.4157	2.4056	1.6200	.9261	1.8684	2.1521	29.7546	48.0035	11.5812	.0618	3.0006
5.0	2.8031	1.5799	1.12	.4157	2.4056	1.6700	.9120	1.9440	2.2150	28.6388	47.0194	10.9819	.0655	2.9453
5.0	2.8031	1.5799	1.12	.4157	2.4056	1.7200	.8950	2.0214	2.2786	27.4903	46.0567	10.3825	.0694	2.8899
5.0	2.8031	1.5799	1.12	.4157	2.4056	1.7700	.8750	2.1004	2.3430	26.3057	45.1188	9.7832	.0735	2.8344
5.0	2.8031	1.5799	1.12	.4157	2.4056	1.8200	.8518	2.1812	2.4083	25.0808	44.2102	9.1838	.0777	2.7787
5.0	2.8031	1.5799	1.12	.4157	2.4056	1.8700	.8252	2.2640	2.4746	23.8105	43.3380	8.5845	.0821	2.7229
5.0	2.8031	1.5799	1.12	.4157	2.4056	1.9200	.7948	2.3488	2.5421	22.4883	42.5123	7.9851	.0865	2.6669
5.0	2.8031	1.5799	1.12	.4157	2.4056	1.9700	.7604	2.4358	2.6110	21.1061	41.7483	7.3858	.0909	2.6106
5.0	2.8031	1.5799	1.12	.4157	2.4056	2.0200	.7214	2.5252	2.6814	19.6534	41.0692	6.7865	.0952	2.5541
5.0	2.8031	1.5799	1.12	.4157	2.4056	2.0700	.6772	2.6170	2.7535	18.1165	40.5111	6.1871	.0994	2.4971
5.0	2.8031	1.5799	1.12	.4157	2.4056	2.1200	.6270	2.7116	2.8277	16.4769	40.1334	5.5878	.1033	2.4396
5.0	2.8031	1.5799	1.12	.4157	2.4056	2.1700	.5696	2.8093	2.9045	14.7086	40.0390	4.9884	.1065	2.3814
5.0	2.8031	1.5799	1.12	.4157	2.4056	2.2200	.5033	2.9104	2.9843	12.7728	40.4219	4.3891	.1090	2.3223
5.0	2.8031	1.5799	1.12	.4157	2.4056	2.2700	.4251	3.0156	3.0680	10.6066	41.6926	3.7897	.1103	2.2616
5.0	2.8031	1.5799	1.12	.4157	2.4056	2.3200	.3298	3.1258	3.1572	8.0904	44.9004	3.1904	.1100	2.1987
5.0	2.8031	1.5799	1.12	.4157	2.4056	2.3700	.2030	3.2427	3.2545	4.8965	53.9206	2.5910	.1075	2.1321

5.0	2.8031	1.5799	1.16	.4373	2.2867	.4400	.0688	.4234	.4285	8.8921	88.1768	25.5374	.0155	4.6247
5.0	2.8031	1.5799	1.16	.4373	2.2867	.4900	.3009	.4744	.5567	31.5503	81.8947	24.9166	.0163	4.5680
5.0	2.8031	1.5799	1.16	.4373	2.2867	.5400	.4139	.5261	.6628	37.4704	78.6527	24.2959	.0171	4.5114
5.0	2.8031	1.5799	1.16	.4373	2.2867	.5900	.4971	.5784	.7564	40.1183	76.1246	23.6751	.0180	4.4547
5.0	2.8031	1.5799	1.16	.4373	2.2867	.6400	.5639	.6315	.8416	41.3845	73.9685	23.0544	.0189	4.3981
5.0	2.8031	1.5799	1.16	.4373	2.2867	.6900	.6196	.6852	.9209	41.9229	72.0497	22.4336	.0199	4.3414
5.0	2.8031	1.5799	1.16	.4373	2.2867	.7400	.6670	.7397	.9958	42.0280	70.2985	21.8129	.0209	4.2847
5.0	2.8031	1.5799	1.16	.4373	2.2867	.7900	.7077	.7950	1.0673	41.8532	68.6735	21.1921	.0220	4.2280
5.0	2.8031	1.5799	1.16	.4373	2.2867	.8400	.7428	.8510	1.1360	41.4867	67.1475	20.5714	.0232	4.1713
5.0	2.8031	1.5799	1.16	.4373	2.2867	.8900	.7732	.9079	1.2026	40.9826	65.7019	19.9506	.0244	4.1145
5.0	2.8031	1.5799	1.16	.4373	2.2867	.9400	.7993	.9656	1.2675	40.3759	64.3231	19.3299	.0257	4.0577
5.0	2.8031	1.5799	1.16	.4373	2.2867	.9900	.8216	1.0241	1.3309	39.6898	63.0009	18.7091	.0271	4.0010
5.0	2.8031	1.5799	1.16	.4373	2.2867	1.0400	.8404	1.0836	1.3931	38.9404	61.7277	18.0884	.0285	3.9441
5.0	2.8031	1.5799	1.16	.4373	2.2867	1.0900	.8559	1.1439	1.4544	38.1390	60.4973	17.4676	.0300	3.8873
5.0	2.8031	1.5799	1.16	.4373	2.2867	1.1400	.8682	1.2052	1.5150	37.2934	59.3051	16.8469	.0317	3.8304
5.0	2.8031	1.5799	1.16	.4373	2.2867	1.1900	.8776	1.2676	1.5750	36.4091	58.1472	16.2261	.0334	3.7735
5.0	2.8031	1.5799	1.16	.4373	2.2867	1.2400	.8842	1.3309	1.6346	35.4901	57.0209	15.6054	.0351	3.7166
5.0	2.8031	1.5799	1.16	.4373	2.2867	1.2900	.8879	1.3953	1.6939	34.5389	55.9239	14.9846	.0370	3.6596
5.0	2.8031	1.5799	1.16	.4373	2.2867	1.3400	.8888	1.4608	1.7530	33.5569	54.8549	14.3639	.0390	3.6026
5.0	2.8031	1.5799	1.16	.4373	2.2867	1.3900	.8871	1.5275	1.8120	32.5448	53.8128	13.7431	.0411	3.5455
5.0	2.8031	1.5799	1.16	.4373	2.2867	1.4400	.8825	1.5953	1.8711	31.5025	52.7977	13.1224	.0432	3.4883
5.0	2.8031	1.5799	1.16	.4373	2.2867	1.4900	.8752	1.6644	1.9303	30.4292	51.8099	12.5016	.0455	3.4311
5.0	2.8031	1.5799	1.16	.4373	2.2867	1.5400	.8650	1.7348	1.9898	29.3236	50.8510	11.8809	.0478	3.3738
5.0	2.8031	1.5799	1.16	.4373	2.2867	1.5900	.8520	1.8066	2.0496	28.1837	49.9232	11.2601	.0502	3.3164
5.0	2.8031	1.5799	1.16	.4373	2.2867	1.6400	.8359	1.8798	2.1098	27.0065	49.0305	10.6394	.0527	3.2589
5.0	2.8031	1.5799	1.16	.4373	2.2867	1.6900	.8166	1.9544	2.1706	25.7885	48.1783	10.0186	.0553	3.2013
5.0	2.8031	1.5799	1.16	.4373	2.2867	1.7400	.7939	2.0307	2.2320	24.5250	47.3747	9.3979	.0578	3.1435
5.0	2.8031	1.5799	1.16	.4373	2.2867	1.7900	.7676	2.1086	2.2942	23.2103	46.6312	8.7771	.0604	3.0855
5.0	2.8031	1.5799	1.16	.4373	2.2867	1.8400	.7373	2.1882	2.3573	21.8369	45.9646	8.1564	.0629	3.0273
5.0	2.8031	1.5799	1.16	.4373	2.2867	1.8900	.7027	2.2697	2.4215	20.3952	45.3996	7.5356	.0653	2.9688
5.0	2.8031	1.5799	1.16	.4373	2.2867	1.9400	.6632	2.3532	2.4869	18.8726	44.9741	6.9149	.0676	2.9099
5.0	2.8031	1.5799	1.16	.4373	2.2867	1.9900	.6180	2.4388	2.5537	17.2522	44.7478	6.2941	.0696	2.8506
5.0	2.8031	1.5799	1.16	.4373	2.2867	2.0400	.5661	2.5268	2.6223	15.5100	44.8198	5.6734	.0713	2.7906
5.0	2.8031	1.5799	1.16	.4373	2.2867	2.0900	.5060	2.6174	2.6931	13.6108	45.3675	5.0526	.0725	2.7298
5.0	2.8031	1.5799	1.16	.4373	2.2867	2.1400	.4353	2.7111	2.7666	11.4975	46.7405	4.4319	.0730	2.6677
5.0	2.8031	1.5799	1.16	.4373	2.2867	2.1900	.3494	2.8082	2.8437	9.0635	49.7435	3.8111	.0726	2.6039
5.0	2.8031	1.5799	1.16	.4373	2.2867	2.2400	.2369	2.9098	2.9260	6.0383	56.8348	3.1904	.0710	2.5373

5.0	2.8031	1.5799	1.20	.4602	2.1730	.4700	.1264	.4530	.4691	15.0480	86.5383	24.9637	.0155	4.9315
5.0	2.8031	1.5799	1.20	.4602	2.1730	.5200	.3073	.5042	.5857	30.5817	81.4287	24.3216	.0162	4.8728
5.0	2.8031	1.5799	1.20	.4602	2.1730	.5700	.4098	.5561	.6849	35.7139	78.3572	23.6794	.0170	4.8142
5.0	2.8031	1.5799	1.20	.4602	2.1730	.6200	.4863	.6086	.7734	38.1077	75.9202	23.0373	.0178	4.7555
5.0	2.8031	1.5799	1.20	.4602	2.1730	.6700	.5478	.6617	.8547	39.2673	73.8282	22.3951	.0186	4.6969
5.0	2.8031	1.5799	1.20	.4602	2.1730	.7200	.5989	.7156	.9308	39.7521	71.9609	21.7530	.0195	4.6382
5.0	2.8031	1.5799	1.20	.4602	2.1730	.7700	.6421	.7702	1.0028	39.8243	70.2547	21.1108	.0204	4.5794
5.0	2.8031	1.5799	1.20	.4602	2.1730	.8200	.6790	.8255	1.0718	39.6244	68.6712	20.4687	.0214	4.5207
5.0	2.8031	1.5799	1.20	.4602	2.1730	.8700	.7104	.8816	1.1382	39.2348	67.1852	19.8265	.0224	4.4619
5.0	2.8031	1.5799	1.20	.4602	2.1730	.9200	.7372	.9385	1.2026	38.7067	65.7792	19.1843	.0235	4.4032
5.0	2.8031	1.5799	1.20	.4602	2.1730	.9700	.7599	.9962	1.2654	38.0735	64.4407	18.5422	.0246	4.3444
5.0	2.8031	1.5799	1.20	.4602	2.1730	1.0200	.7787	1.0547	1.3269	37.3577	63.1604	17.9000	.0258	4.2855
5.0	2.8031	1.5799	1.20	.4602	2.1730	1.0700	.7939	1.1141	1.3872	36.5747	61.9313	17.2579	.0270	4.2266
5.0	2.8031	1.5799	1.20	.4602	2.1730	1.1200	.8058	1.1743	1.4467	35.7353	60.7481	16.6157	.0283	4.1677
5.0	2.8031	1.5799	1.20	.4602	2.1730	1.1700	.8146	1.2355	1.5055	34.8471	59.6069	15.9736	.0296	4.1088
5.0	2.8031	1.5799	1.20	.4602	2.1730	1.2200	.8203	1.2977	1.5637	33.9153	58.5049	15.3314	.0310	4.0498
5.0	2.8031	1.5799	1.20	.4602	2.1730	1.2700	.8230	1.3608	1.6215	32.9433	57.4405	14.6893	.0324	3.9907
5.0	2.8031	1.5799	1.20	.4602	2.1730	1.3200	.8227	1.4250	1.6791	31.9330	56.4128	14.0471	.0339	3.9316
5.0	2.8031	1.5799	1.20	.4602	2.1730	1.3700	.8195	1.4902	1.7365	30.8853	55.4219	13.4049	.0354	3.8724
5.0	2.8031	1.5799	1.20	.4602	2.1730	1.4200	.8132	1.5566	1.7938	29.8002	54.4691	12.7628	.0370	3.8131
5.0	2.8031	1.5799	1.20	.4602	2.1730	1.4700	.8040	1.6241	1.8511	28.6767	53.5568	12.1206	.0386	3.7537
5.0	2.8031	1.5799	1.20	.4602	2.1730	1.5200	.7917	1.6928	1.9086	27.5128	52.6891	11.4785	.0403	3.6942
5.0	2.8031	1.5799	1.20	.4602	2.1730	1.5700	.7761	1.7627	1.9664	26.3056	51.8717	10.8363	.0419	3.6346
5.0	2.8031	1.5799	1.20	.4602	2.1730	1.6200	.7572	1.8340	2.0245	25.0512	51.1134	10.1942	.0435	3.5749
5.0	2.8031	1.5799	1.20	.4602	2.1730	1.6700	.7346	1.9067	2.0830	23.7443	50.4263	9.5520	.0452	3.5149
5.0	2.8031	1.5799	1.20	.4602	2.1730	1.7200	.7082	1.9808	2.1421	22.3782	49.8280	8.9099	.0467	3.4547
5.0	2.8031	1.5799	1.20	.4602	2.1730	1.7700	.6774	2.0564	2.2019	20.9438	49.3441	8.2677	.0482	3.3943
5.0	2.8031	1.5799	1.20	.4602	2.1730	1.8200	.6420	2.1337	2.2626	19.4293	49.0127	7.6255	.0496	3.3335
5.0	2.8031	1.5799	1.20	.4602	2.1730	1.8700	.6011	2.2128	2.3243	17.8186	48.8928	6.9834	.0507	3.2723
5.0	2.8031	1.5799	1.20	.4602	2.1730	1.9200	.5538	2.2937	2.3872	16.0888	49.0795	6.3412	.0516	3.2104
5.0	2.8031	1.5799	1.20	.4602	2.1730	1.9700	.4987	2.3767	2.4517	14.2063	49.7368	5.6991	.0522	3.1479
5.0	2.8031	1.5799	1.20	.4602	2.1730	2.0200	.4336	2.4620	2.5181	12.1162	51.1731	5.0569	.0524	3.0843
5.0	2.8031	1.5799	1.20	.4602	2.1730	2.0700	.3545	2.5500	2.5871	9.7168	54.0538	4.4148	.0520	3.0192
5.0	2.8031	1.5799	1.20	.4602	2.1730	2.1200	.2512	2.6412	2.6597	6.7577	60.2111	3.7726	.0508	2.9518
5.0	2.8031	1.5799	1.20	.4602	2.1730	2.1700	.0580	2.7366	2.7376	1.5322	81.5096	3.1305	.0488	2.8809
5.0	2.8031	1.5799	1.24	.4846	2.0637	.4900	.0903	.4726	.4805	10.4434	87.4491	24.4971	.0153	5.2601
5.0	2.8031	1.5799	1.24	.4846	2.0637	.5400	.2839	.5238	.5918	27.7324	81.8292	23.8335	.0159	5.1995
5.0	2.8031	1.5799	1.24	.4846	2.0637	.5900	.3848	.5757	.6873	33.1127	78.7084	23.1700	.0166	5.1389
5.0	2.8031	1.5799	1.24	.4846	2.0637	.6400	.4589	.6282	.7730	35.6417	76.2631	22.5064	.0173	5.0782
5.0	2.8031	1.5799	1.24	.4846	2.0637	.6900	.5178	.6813	.8519	36.8875	74.1774	21.8429	.0181	5.0175
5.0	2.8031	1.5799	1.24	.4846	2.0637	.7400	.5664	.7352	.9258	37.4283	72.3244	21.1793	.0189	4.9568
5.0	2.8031	1.5799	1.24	.4846	2.0637	.7900	.6070	.7897	.9959	37.5357	70.6378	20.5157	.0197	4.8960
5.0	2.8031	1.5799	1.24	.4846	2.0637	.8400	.6412	.8449	1.0630	37.3554	69.0785	19.8522	.0205	4.8353
5.0	2.8031	1.5799	1.24	.4846	2.0637	.8900	.6700	.9009	1.1277	36.9730	67.6207	19.1886	.0214	4.7745
5.0	2.8031	1.5799	1.24	.4846	2.0637	.9400	.6941	.9577	1.1904	36.4417	66.2473	18.5251	.0223	4.7136
5.0	2.8031	1.5799	1.24	.4846	2.0637	.9900	.7139	1.0152	1.2516	35.7965	64.9457	17.8615	.0233	4.6527
5.0	2.8031	1.5799	1.24	.4846	2.0637	1.0400	.7299	1.0735	1.3115	35.0606	63.7073	17.1979	.0242	4.5918
5.0	2.8031	1.5799	1.24	.4846	2.0637	1.0900	.7422	1.1326	1.3703	34.2501	62.5255	16.5344	.0253	4.5309
5.0	2.8031	1.5799	1.24	.4846	2.0637	1.1400	.7510	1.1927	1.4282	33.3761	61.3961	15.8708	.0263	4.4699
5.0	2.8031	1.5799	1.24	.4846	2.0637	1.1900	.7565	1.2536	1.4854	32.4461	60.3161	15.2073	.0274	4.4088
5.0	2.8031	1.5799	1.24	.4846	2.0637	1.2400	.7588	1.3154	1.5422	31.4651	59.2842	14.5437	.0285	4.3476
5.0	2.8031	1.5799	1.24	.4846	2.0637	1.2900	.7579	1.3782	1.5984	30.4363	58.3004	13.8801	.0296	4.2864
5.0	2.8031	1.5799	1.24	.4846	2.0637	1.3400	.7538	1.4419	1.6545	29.3610	57.3660	13.2166	.0307	4.2251
5.0	2.8031	1.5799	1.24	.4846	2.0637	1.3900	.7465	1.5067	1.7103	28.2393	56.4842	12.5530	.0318	4.1637
5.0	2.8031	1.5799	1.24	.4846	2.0637	1.4400	.7359	1.5726	1.7661	27.0701	55.6599	11.8895	.0330	4.1021
5.0	2.8031	1.5799	1.24	.4846	2.0637	1.4900	.7219	1.6396	1.8219	25.8507	54.9008	11.2259	.0341	4.0405
5.0	2.8031	1.5799	1.24	.4846	2.0637	1.5400	.7043	1.7077	1.8778	24.5775	54.2178	10.5623	.0352	3.9786
5.0	2.8031	1.5799	1.24	.4846	2.0637	1.5900	.6829	1.7771	1.9341	23.2448	53.6264	9.8988	.0362	3.9166
5.0	2.8031	1.5799	1.24	.4846	2.0637	1.6400	.6575	1.8477	1.9906	21.8452	53.1494	9.2352	.0372	3.8543
5.0	2.8031	1.5799	1.24	.4846	2.0637	1.6900	.6275	1.9197	2.0477	20.3686	52.8195	8.5717	.0381	3.7917
5.0	2.8031	1.5799	1.24	.4846	2.0637	1.7400	.5924	1.9931	2.1054	18.8011	52.6862	7.9081	.0389	3.7287
5.0	2.8031	1.5799	1.24	.4846	2.0637	1.7900	.5515	2.0680	2.1640	17.1231	52.8263	7.2445	.0395	3.6653
5.0	2.8031	1.5799	1.24	.4846	2.0637	1.8400	.5036	2.1446	2.2235	15.3060	53.3660	6.5810	.0399	3.6012
5.0	2.8031	1.5799	1.24	.4846	2.0637	1.8900	.4469	2.2230	2.2844	13.3046	54.5277	5.9174	.0400	3.5363
5.0	2.8031	1.5799	1.24	.4846	2.0637	1.9400	.3785	2.3035	2.3469	11.0392	56.7479	5.2538	.0398	3.4702
5.0	2.8031	1.5799	1.24	.4846	2.0637	1.9900	.2916	2.3862	2.4117	8.3372	61.6511	4.5903	.0391	3.4026
5.0	2.8031	1.5799	1.24	.4846	2.0637	2.0400	.1637	2.4718	2.4797	4.5888	71.0631	3.9267	.0379	3.3325
5.0	2.8031	1.5799	1.28	.5108	1.9578	.5200	.1120	.5023	.5139	12.2139	86.7092	23.8764	.0152	5.5868
5.0	2.8031	1.5799	1.28	.5108	1.9578	.5700	.2799	.5537	.6169	26.1547	81.6521	23.1914	.0158	5.5242
5.0	2.8031	1.5799	1.28	.5108	1.9578	.6200	.3729	.6057	.7069	31.0272	78.6480	22.5064	.0164	5.4615
5.0	2.8031	1.5799	1.28	.5108	1.9578	.6700	.4414	.6584	.7884	33.3786	76.2766	21.8215	.0170	5.3988
5.0	2.8031	1.5799	1.28	.5108	1.9578	.7200	.4957	.7117	.8640	34.5445	74.2507	21.1365	.0177	5.3361
5.0	2.8031	1.5799	1.28	.5108	1.9578	.7700	.5400	.7656	.9351	35.0407	72.4519	20.4515	.0184	5.2733
5.0	2.8031	1.5799	1.28	.5108	1.9578	.8200	.5766	.8202	1.0027	35.1161	70.8179	19.7666	.0191	5.2105
5.0	2.8031	1.5799	1.28	.5108	1.9578	.8700	.6071	.8755	1.0676	34.9072	69.3116	19.0816	.0198	5.1477
5.0	2.8031	1.5799	1.28	.5108	1.9578	.9200	.6322	.9315	1.1303	34.4951	67.9090	18.3966	.0206	5.0848
5.0	2.8031	1.5799	1.28	.5108	1.9578	.9700	.6526	.9883	1.1911	33.9308	66.5942	17.7117	.0214	5.0219
5.0	2.8031	1.5799	1.28	.5108	1.9578	1.0200	.6687	1.0458	1.2505	33.2478	65.3560	17.0267	.0221	4.9589
5.0	2.8031	1.5799	1.28	.5108	1.9578	1.0700	.6808	1.1041	1.3087	32.4686	64.1871	16.3417	.0230	4.8959
5.0	2.8031	1.5799	1.28	.5108	1.9578	1.1200	.6893	1.1632	1.3659	31.6085	63.0826	15.6568	.0238	4.8328
5.0	2.8031	1.5799	1.28	.5108	1.9578	1.1700	.6941	1.2232	1.4222	30.6778	62.0400	14.9718	.0246	4.7696
5.0	2.8031	1.5799	1.28	.5108	1.9578	1.2200	.6954	1.2840	1.4779	29.6834	61.0586	14.2868	.0254	4.7064
5.0	2.8031	1.5799	1.28	.5108	1.9578	1.2700	.6933	1.3457	1.5332	28.6293	60.1400	13.6019	.0263	4.6430
5.0	2.8031	1.5799	1.28	.5108	1.9578	1.3200	.6877	1.4083	1.5880	27.5173	59.2878	12.9169	.0271	4.5796
5.0	2.8031	1.5799	1.28	.5108	1.9578	1.3700	.6785	1.4720	1.6426	26.3474	58.5082	12.2319	.0279	4.5160
5.0	2.8031	1.5799	1.28	.5108	1.9578	1.4200	.6657	1.5366	1.6970	25.1179	57.8107	11.5470	.0287	4.4522
5.0	2.8031	1.5799	1.28	.5108	1.9578	1.4700	.6491	1.6022	1.7515	23.8248	57.2094	10.8620	.0294	4.3883
5.0	2.8031	1.5799	1.28	.5108	1.9578	1.5200	.6284	1.6690	1.8060	22.4624	56.7241	10.1770	.0301	4.3241
5.0	2.8031	1.5799	1.28	.5108	1.9578	1.5700	.6034	1.7368	1.8607	21.0220	56.3840	9.4921	.0307	4.2596
5.0	2.8031	1.5799	1.28	.5108	1.9578	1.6200	.5734	1.8059	1.9157	19.4916	56.2320	8.8071	.0313	4.1949
5.0	2.8031	1.5799	1.28	.5108	1.9578	1.6700	.5379	1.8763	1.9712	17.8539	56.3333	8.1221	.0317	4.1297
5.0	2.8031	1.5799	1.28	.5108	1.9578	1.7200	.4959	1.9481	2.0274	16.0832	56.7916	7.4372	.0319	4.0640
5.0	2.8031	1.5799	1.28	.5108	1.9578	1.7700	.4459	2.0213	2.0844	14.1396	57.7821	6.7522	.0320	3.9975
5.0	2.8031	1.5799	1.28	.5108	1.9578	1.8200	.3853	2.0961	2.1426	11.9546	59.6295	6.0672	.0318	3.9302
5.0	2.8031	1.5799	1.28	.5108	1.9578	1.8700	.3092	2.1727	2.2022	9.3882	63.0297	5.3823	.0314	3.8616
5.0	2.8031	1.5799	1.28	.5108	1.9578	1.9200	.2029	2.2514	2.2640	6.0327	70.0032	4.6973	.0306	3.7912

5.0	2.8031	1.5799	1.32	.5392	1.8546	.5400	.0317	.5219	.5228	3.3544	89.0456	23.3712	.0149	5.9362
5.0	2.8031	1.5799	1.32	.5392	1.8546	.5900	.2473	.5733	.6216	22.7417	82.3849	22.6648	.0155	5.8715
5.0	2.8031	1.5799	1.32	.5392	1.8546	.6400	.3411	.6253	.7086	28.0587	79.2672	21.9585	.0160	5.8068
5.0	2.8031	1.5799	1.32	.5392	1.8546	.6900	.4082	.6780	.7878	30.6096	76.8677	21.2521	.0166	5.7421
5.0	2.8031	1.5799	1.32	.5392	1.8546	.7400	.4604	.7313	.8612	31.8890	74.8440	20.5457	.0172	5.6773
5.0	2.8031	1.5799	1.32	.5392	1.8546	.7900	.5024	.7852	.9305	32.4533	73.0636	19.8393	.0178	5.6125
5.0	2.8031	1.5799	1.32	.5392	1.8546	.8400	.5365	.8397	.9964	32.5677	71.4592	19.1330	.0184	5.5476
5.0	2.8031	1.5799	1.32	.5392	1.8546	.8900	.5643	.8950	1.0597	32.3770	69.9920	18.4266	.0190	5.4827
5.0	2.8031	1.5799	1.32	.5392	1.8546	.9400	.5866	.9509	1.1209	31.9666	68.6375	17.7202	.0196	5.4178
5.0	2.8031	1.5799	1.32	.5392	1.8546	.9900	.6041	1.0075	1.1803	31.3904	67.3799	17.0139	.0202	5.3527
5.0	2.8031	1.5799	1.32	.5392	1.8546	1.0400	.6171	1.0649	1.2383	30.6834	66.2091	16.3075	.0209	5.2876
5.0	2.8031	1.5799	1.32	.5392	1.8546	1.0900	.6260	1.1231	1.2951	29.8688	65.1190	15.6011	.0215	5.2225
5.0	2.8031	1.5799	1.32	.5392	1.8546	1.1400	.6309	1.1820	1.3509	28.9623	64.1069	14.8947	.0222	5.1572
5.0	2.8031	1.5799	1.32	.5392	1.8546	1.1900	.6320	1.2417	1.4060	27.9740	63.1728	14.1884	.0228	5.0918
5.0	2.8031	1.5799	1.32	.5392	1.8546	1.2400	.6294	1.3023	1.4604	26.9099	62.3197	13.4820	.0234	5.0264
5.0	2.8031	1.5799	1.32	.5392	1.8546	1.2900	.6229	1.3637	1.5144	25.7731	61.5540	12.7756	.0240	4.9607
5.0	2.8031	1.5799	1.32	.5392	1.8546	1.3400	.6125	1.4261	1.5680	24.5636	60.8858	12.0693	.0246	4.8950
5.0	2.8031	1.5799	1.32	.5392	1.8546	1.3900	.5980	1.4894	1.6213	23.2789	60.3307	11.3629	.0251	4.8290
5.0	2.8031	1.5799	1.32	.5392	1.8546	1.4400	.5793	1.5536	1.6746	21.9137	59.9112	10.6565	.0255	4.7628
5.0	2.8031	1.5799	1.32	.5392	1.8546	1.4900	.5559	1.6189	1.7279	20.4590	59.6603	9.9501	.0260	4.6963
5.0	2.8031	1.5799	1.32	.5392	1.8546	1.5400	.5273	1.6853	1.7813	18.9016	59.6272	9.2438	.0263	4.6294
5.0	2.8031	1.5799	1.32	.5392	1.8546	1.5900	.4928	1.7528	1.8350	17.2212	59.8874	8.5374	.0265	4.5622
5.0	2.8031	1.5799	1.32	.5392	1.8546	1.6400	.4513	1.8215	1.8892	15.3869	60.5624	7.8310	.0266	4.4944
5.0	2.8031	1.5799	1.32	.5392	1.8546	1.6900	.4010	1.8915	1.9440	13.3473	61.8617	7.1247	.0265	4.4258
5.0	2.8031	1.5799	1.32	.5392	1.8546	1.7400	.3384	1.9629	1.9997	11.0071	64.1886	6.4183	.0263	4.3564
5.0	2.8031	1.5799	1.32	.5392	1.8546	1.7900	.2561	2.0359	2.0566	8.1435	68.4850	5.7119	.0258	4.2857
5.0	2.8031	1.5799	1.32	.5392	1.8546	1.8400	.1222	2.1107	2.1153	3.7984	78.4873	5.0055	.0250	4.2132
5.0	2.8031	1.5799	1.36	.5705	1.7529	.5800	.1031	.5619	.5708	10.0794	86.7642	22.5578	.0149	6.2694
5.0	2.8031	1.5799	1.36	.5705	1.7529	.6300	.2520	.6137	.6609	21.8024	81.9130	21.8300	.0153	6.2026
5.0	2.8031	1.5799	1.36	.5705	1.7529	.6800	.3339	.6660	.7419	26.1492	79.0379	21.1022	.0158	6.1359
5.0	2.8031	1.5799	1.36	.5705	1.7529	.7300	.3930	.7189	.8164	28.2983	76.7839	20.3745	.0163	6.0691
5.0	2.8031	1.5799	1.36	.5705	1.7529	.7800	.4388	.7724	.8862	29.3627	74.8752	19.6467	.0168	6.0022
5.0	2.8031	1.5799	1.36	.5705	1.7529	.8300	.4752	.8265	.9523	29.7900	73.1982	18.9189	.0173	5.9353
5.0	2.8031	1.5799	1.36	.5705	1.7529	.8800	.5040	.8813	1.0156	29.8032	71.6945	18.1911	.0178	5.8683
5.0	2.8031	1.5799	1.36	.5705	1.7529	.9300	.5268	.9367	1.0765	29.5273	70.3301	17.4634	.0183	5.8013
5.0	2.8031	1.5799	1.36	.5705	1.7529	.9800	.5441	.9928	1.1355	29.0375	69.0846	16.7356	.0188	5.7342
5.0	2.8031	1.5799	1.36	.5705	1.7529	1.0300	.5565	1.0496	1.1930	28.3816	67.9456	16.0078	.0193	5.6670
5.0	2.8031	1.5799	1.36	.5705	1.7529	1.0800	.5644	1.1072	1.2492	27.5906	66.9067	15.2800	.0198	5.5997
5.0	2.8031	1.5799	1.36	.5705	1.7529	1.1300	.5679	1.1655	1.3044	26.6846	65.9661	14.5523	.0203	5.5323
5.0	2.8031	1.5799	1.36	.5705	1.7529	1.1800	.5673	1.2245	1.3587	25.6764	65.1263	13.8245	.0208	5.4648
5.0	2.8031	1.5799	1.36	.5705	1.7529	1.2300	.5624	1.2844	1.4123	24.5733	64.3942	13.0967	.0212	5.3971
5.0	2.8031	1.5799	1.36	.5705	1.7529	1.2800	.5533	1.3451	1.4654	23.3779	63.7820	12.3689	.0216	5.3292
5.0	2.8031	1.5799	1.36	.5705	1.7529	1.3300	.5398	1.4067	1.5181	22.0891	63.3087	11.6412	.0220	5.2611
5.0	2.8031	1.5799	1.36	.5705	1.7529	1.3800	.5215	1.4691	1.5705	20.7012	63.0027	10.9134	.0223	5.1928
5.0	2.8031	1.5799	1.36	.5705	1.7529	1.4300	.4981	1.5325	1.6228	19.2037	62.9063	10.1856	.0225	5.1242
5.0	2.8031	1.5799	1.36	.5705	1.7529	1.4800	.4689	1.5969	1.6751	17.5793	63.0841	9.4578	.0227	5.0551
5.0	2.8031	1.5799	1.36	.5705	1.7529	1.5300	.4329	1.6623	1.7276	15.7998	63.6380	8.7300	.0228	4.9857
5.0	2.8031	1.5799	1.36	.5705	1.7529	1.5800	.3886	1.7288	1.7803	13.8185	64.7393	8.0023	.0227	4.9156
5.0	2.8031	1.5799	1.36	.5705	1.7529	1.6300	.3331	1.7965	1.8336	11.5489	66.7056	7.2745	.0225	4.8447
5.0	2.8031	1.5799	1.36	.5705	1.7529	1.6800	.2600	1.8655	1.8877	8.7976	70.2357	6.5467	.0222	4.7728
5.0	2.8031	1.5799	1.36	.5705	1.7529	1.7300	.1472	1.9360	1.9430	4.8629	77.6744	5.8189	.0216	4.6995
5.0	2.8031	1.5799	1.40	.6055	1.6515	.6100	.0667	.5918	.5954	6.2362	87.8299	21.8600	.0147	6.6252
5.0	2.8031	1.5799	1.40	.6055	1.6515	.6600	.2264	.6437	.6805	18.9317	82.4546	21.1108	.0151	6.5564
5.0	2.8031	1.5799	1.40	.6055	1.6515	.7100	.3052	.6961	.7577	23.2589	79.5772	20.3616	.0155	6.4875
5.0	2.8031	1.5799	1.40	.6055	1.6515	.7600	.3607	.7491	.8292	25.3890	77.3648	19.6124	.0159	6.4187
5.0	2.8031	1.5799	1.40	.6055	1.6515	.8100	.4027	.8027	.8965	26.4352	75.5166	18.8633	.0163	6.3497
5.0	2.8031	1.5799	1.40	.6055	1.6515	.8600	.4352	.8570	.9604	26.8390	73.9142	18.1141	.0167	6.2807
5.0	2.8031	1.5799	1.40	.6055	1.6515	.9100	.4601	.9118	1.0217	26.8201	72.4983	17.3649	.0171	6.2116
5.0	2.8031	1.5799	1.40	.6055	1.6515	.9600	.4787	.9673	1.0809	26.5014	71.2365	16.6157	.0175	6.1424
5.0	2.8031	1.5799	1.40	.6055	1.6515	1.0100	.4917	1.0235	1.1383	25.9570	70.1107	15.8665	.0179	6.0731
5.0	2.8031	1.5799	1.40	.6055	1.6515	1.0600	.4995	1.0803	1.1943	25.2331	69.1122	15.1174	.0183	6.0037
5.0	2.8031	1.5799	1.40	.6055	1.6515	1.1100	.5026	1.1379	1.2491	24.3591	68.2396	14.3682	.0187	5.9341
5.0	2.8031	1.5799	1.40	.6055	1.6515	1.1600	.5008	1.1962	1.3030	23.3529	67.4979	13.6190	.0190	5.8644
5.0	2.8031	1.5799	1.40	.6055	1.6515	1.2100	.4944	1.2553	1.3560	22.2241	66.8991	12.8698	.0193	5.7945
5.0	2.8031	1.5799	1.40	.6055	1.6515	1.2600	.4831	1.3151	1.4085	20.9756	66.4636	12.1206	.0195	5.7244
5.0	2.8031	1.5799	1.40	.6055	1.6515	1.3100	.4666	1.3758	1.4605	19.6038	66.2234	11.3714	.0197	5.6540
5.0	2.8031	1.5799	1.40	.6055	1.6515	1.3600	.4445	1.4373	1.5121	18.0975	66.2275	10.6223	.0199	5.5833
5.0	2.8031	1.5799	1.40	.6055	1.6515	1.4100	.4159	1.4998	1.5637	16.4359	66.5526	9.8731	.0200	5.5123
5.0	2.8031	1.5799	1.40	.6055	1.6515	1.4600	.3798	1.5631	1.6151	14.5822	67.3233	9.1239	.0199	5.4407
5.0	2.8031	1.5799	1.40	.6055	1.6515	1.5100	.3339	1.6275	1.6668	12.4690	68.7588	8.3747	.0198	5.3685
5.0	2.8031	1.5799	1.40	.6055	1.6515	1.5600	.2738	1.6929	1.7188	9.9561	71.3000	7.6255	.0196	5.2956
5.0	2.8031	1.5799	1.40	.6055	1.6515	1.6100	.1875	1.7595	1.7714	6.6429	76.1238	6.8764	.0192	5.2215

5.0	2.8031	1.5799	1.44	.6458	1.5485	.6500	.0601	.6321	.6348	5.2793	87.9597	20.7824	.0145	6.9765
5.0	2.8031	1.5799	1.44	.6458	1.5485	.7000	.2087	.6842	.7140	16.6001	82.7304	20.2118	.0148	6.9056
5.0	2.8031	1.5799	1.44	.6458	1.5485	.7500	.2803	.7369	.7867	20.4946	79.9755	19.4412	.0152	6.8346
5.0	2.8031	1.5799	1.44	.6458	1.5485	.8000	.3298	.7901	.8546	22.4012	77.6825	18.6706	.0155	6.7636
5.0	2.8031	1.5799	1.44	.6458	1.5485	.8500	.3661	.8440	.9189	23.3008	76.1595	17.9000	.0158	6.6925
5.0	2.8031	1.5799	1.44	.6458	1.5485	.9000	.3930	.8984	.9803	23.5885	74.6936	17.1294	.0162	6.6213
5.0	2.8031	1.5799	1.44	.6458	1.5485	.9500	.4123	.9535	1.0394	23.4628	73.4309	16.3589	.0165	6.5500
5.0	2.8031	1.5799	1.44	.6458	1.5485	1.0000	.4252	1.0092	1.0966	23.0352	72.3442	15.5883	.0168	6.4785
5.0	2.8031	1.5799	1.44	.6458	1.5485	1.0500	.4322	1.0655	1.1523	22.3723	71.4226	14.8177	.0170	6.4070
5.0	2.8031	1.5799	1.44	.6458	1.5485	1.1000	.4336	1.1226	1.2066	21.5143	70.6663	14.0471	.0173	6.3352
5.0	2.8031	1.5799	1.44	.6458	1.5485	1.1500	.4296	1.1803	1.2600	20.4842	70.0863	13.2765	.0175	6.2633
5.0	2.8031	1.5799	1.44	.6458	1.5485	1.2000	.4201	1.2388	1.3125	19.2925	69.7053	12.5059	.0177	6.1911
5.0	2.8031	1.5799	1.44	.6458	1.5485	1.2500	.4047	1.2980	1.3643	17.9384	69.5617	11.7353	.0178	6.1186
5.0	2.8031	1.5799	1.44	.6458	1.5485	1.3000	.3828	1.3580	1.4157	16.4091	69.7170	10.9647	.0178	6.0459
5.0	2.8031	1.5799	1.44	.6458	1.5485	1.3500	.3535	1.4189	1.4667	14.6753	70.2719	10.1942	.0179	5.9727
5.0	2.8031	1.5799	1.44	.6458	1.5485	1.4000	.3150	1.4806	1.5176	12.6785	71.4005	9.4236	.0178	5.8990
5.0	2.8031	1.5799	1.44	.6458	1.5485	1.4500	.2634	1.5432	1.5685	10.2949	73.4426	8.6530	.0176	5.8246
5.0	2.8031	1.5799	1.44	.6458	1.5485	1.5000	.1892	1.6069	1.6196	7.1890	77.2461	7.8824	.0173	5.7495
5.0	2.8031	1.5799	1.48	.6939	1.4411	.7000	.0653	.6829	.6859	5.3270	87.6700	19.9121	.0143	7.3219
5.0	2.8031	1.5799	1.48	.6939	1.4411	.7500	.1912	.7354	.7589	14.3016	82.9864	19.1201	.0146	7.2489
5.0	2.8031	1.5799	1.48	.6939	1.4411	.8000	.2529	.7884	.8269	17.5457	80.4541	18.3281	.0148	7.1758
5.0	2.8031	1.5799	1.48	.6939	1.4411	.8500	.2942	.8420	.8910	19.0910	78.5625	17.5361	.0151	7.1025
5.0	2.8031	1.5799	1.48	.6939	1.4411	.9000	.3229	.8962	.9521	19.7384	77.0479	16.7441	.0153	7.0292
5.0	2.8031	1.5799	1.48	.6939	1.4411	.9500	.3424	.9509	1.0108	19.8178	75.8114	15.9522	.0156	6.9557
5.0	2.8031	1.5799	1.48	.6939	1.4411	1.0000	.3540	1.0063	1.0675	19.4965	74.8109	15.1602	.0158	6.8821
5.0	2.8031	1.5799	1.48	.6939	1.4411	1.0500	.3588	1.0624	1.1227	18.8670	74.0333	14.3682	.0159	6.8083
5.0	2.8031	1.5799	1.48	.6939	1.4411	1.1000	.3570	1.1190	1.1765	17.9809	73.4854	13.5762	.0161	6.7343
5.0	2.8031	1.5799	1.48	.6939	1.4411	1.1500	.3486	1.1764	1.2293	16.8629	73.1936	12.7842	.0162	6.6600
5.0	2.8031	1.5799	1.48	.6939	1.4411	1.2000	.3332	1.2345	1.2812	15.5164	73.2090	11.9922	.0162	6.5854
5.0	2.8031	1.5799	1.48	.6939	1.4411	1.2500	.3098	1.2933	1.3324	13.9210	73.6205	11.2002	.0162	6.5105
5.0	2.8031	1.5799	1.48	.6939	1.4411	1.3000	.2768	1.3529	1.3832	12.0207	74.5874	10.4082	.0162	6.4352
5.0	2.8031	1.5799	1.48	.6939	1.4411	1.3500	.2303	1.4133	1.4337	9.6817	76.4287	9.6162	.0161	6.3592
5.0	2.8031	1.5799	1.48	.6939	1.4411	1.4000	.1596	1.4745	1.4841	6.5023	79.9908	8.8242	.0158	6.2826
5.0	2.8031	1.5799	1.52	.7559	1.3229	.7600	.0466	.7445	.7459	3.5091	88.2364	18.6364	.0140	7.6602
5.0	2.8031	1.5799	1.52	.7559	1.3229	.8100	.1614	.7974	.8131	11.2708	83.7061	17.8230	.0142	7.5849
5.0	2.8031	1.5799	1.52	.7559	1.3229	.8600	.2124	.8509	.8765	13.8732	81.4548	17.0096	.0144	7.5095
5.0	2.8031	1.5799	1.52	.7559	1.3229	.9100	.2437	.9049	.9368	14.9895	79.8689	16.1962	.0146	7.4340
5.0	2.8031	1.5799	1.52	.7559	1.3229	.9600	.2624	.9595	.9947	15.2869	78.7037	15.3828	.0147	7.3583
5.0	2.8031	1.5799	1.52	.7559	1.3229	1.0100	.2713	1.0148	1.0507	15.0347	77.8828	14.5694	.0149	7.2824
5.0	2.8031	1.5799	1.52	.7559	1.3229	1.0600	.2714	1.0706	1.1051	14.3610	77.3944	13.7560	.0149	7.2063
5.0	2.8031	1.5799	1.52	.7559	1.3229	1.1100	.2628	1.1271	1.1583	13.3218	77.2712	12.9426	.0150	7.1299
5.0	2.8031	1.5799	1.52	.7559	1.3229	1.1600	.2449	1.1843	1.2104	11.9196	77.5987	12.1292	.0150	7.0531
5.0	2.8031	1.5799	1.52	.7559	1.3229	1.2100	.2153	1.2421	1.2616	10.0913	78.5540	11.3158	.0149	6.9760
5.0	2.8031	1.5799	1.52	.7559	1.3229	1.2600	.1687	1.3007	1.3123	7.6249	80.5516	10.5024	.0148	6.8984
5.0	2.8031	1.5799	1.52	.7559	1.3229	1.3100	.0798	1.3601	1.3626	3.4840	85.2685	9.6890	.0146	6.8202
5.0	2.8031	1.5799	1.56	.8525	1.1730	.8600	.0468	.8491	.8504	3.1182	88.0616	16.6414	.0138	7.9432
5.0	2.8031	1.5799	1.56	.8525	1.1730	.9100	.1187	.9029	.9106	7.4308	84.9168	15.8066	.0139	7.8655
5.0	2.8031	1.5799	1.56	.8525	1.1730	.9600	.1457	.9573	.9682	8.6326	83.5254	14.9718	.0139	7.7875
5.0	2.8031	1.5799	1.56	.8525	1.1730	1.0100	.1540	1.0122	1.0239	8.6679	82.8891	14.1370	.0140	7.7094
5.0	2.8031	1.5799	1.56	.8525	1.1730	1.0600	.1468	1.0678	1.0780	7.8833	82.9350	13.3022	.0140	7.6309
5.0	2.8031	1.5799	1.56	.8525	1.1730	1.1100	.1217	1.1240	1.1307	6.2585	83.8743	12.4674	.0140	7.5521
5.0	2.8031	1.5799	1.56	.8525	1.1730	1.1600	.0603	1.1808	1.1824	2.9739	86.8188	11.6326	.0139	7.4729

PROPERTIES ACROSS AN OBLIQUE DETONATION WAVE

GAMMA = 1.2

M1	M1*	DELMAX	DEL	XMIN	XMAX	X(M2U*)	Y(M2V*)	M2U	M2	THETA	SIGMA	PR21	PTR21	TR21
8.0	3.0844	1.7043	1.00	.3242	3.0844	.3300	.1253	.3164	.3385	20.7867	87.3961	69.5832	.0005	7.3162
8.0	3.0844	1.7043	1.00	.3242	3.0844	.3800	.3853	.3672	.5230	45.3978	81.8913	68.3382	.0005	7.2030
8.0	3.0844	1.7043	1.00	.3242	3.0844	.4300	.5256	.4189	.6615	50.7124	78.8000	67.0932	.0005	7.0898
8.0	3.0844	1.7043	1.00	.3242	3.0844	.4800	.6317	.4713	.7791	52.7696	76.3666	65.8482	.0006	6.9766
8.0	3.0844	1.7043	1.00	.3242	3.0844	.5300	.7189	.5247	.8842	53.6005	74.2818	64.6033	.0006	6.8634
8.0	3.0844	1.7043	1.00	.3242	3.0844	.5800	.7935	.5790	.9812	53.8342	72.4204	63.3583	.0007	6.7502
8.0	3.0844	1.7043	1.00	.3242	3.0844	.6300	.8587	.6343	1.0722	53.7337	70.7171	62.1133	.0007	6.6370
8.0	3.0844	1.7043	1.00	.3242	3.0844	.6800	.9166	.6905	1.1590	53.4292	69.1324	60.8683	.0008	6.5237
8.0	3.0844	1.7043	1.00	.3242	3.0844	.7300	.9685	.7478	1.2424	52.9922	67.6405	59.6234	.0009	6.4105
8.0	3.0844	1.7043	1.00	.3242	3.0844	.7800	1.0152	.8062	1.3233	52.4654	66.2233	58.3784	.0009	6.2973
8.0	3.0844	1.7043	1.00	.3242	3.0844	.8300	1.0576	.8657	1.4022	51.8752	64.8675	57.1334	.0010	6.1841
8.0	3.0844	1.7043	1.00	.3242	3.0844	.8800	1.0960	.9264	1.4796	51.2393	63.5632	55.8884	.0011	6.0709
8.0	3.0844	1.7043	1.00	.3242	3.0844	.9300	1.1310	.9882	1.5559	50.5695	62.3024	54.6435	.0012	5.9577
8.0	3.0844	1.7043	1.00	.3242	3.0844	.9800	1.1627	1.0514	1.6314	49.8739	61.0788	53.3985	.0013	5.8445
8.0	3.0844	1.7043	1.00	.3242	3.0844	1.0300	1.1915	1.1159	1.7064	49.1582	59.8872	52.1535	.0015	5.7312
8.0	3.0844	1.7043	1.00	.3242	3.0844	1.0800	1.2176	1.1818	1.7810	48.4268	58.7233	50.9085	.0016	5.6180
8.0	3.0844	1.7043	1.00	.3242	3.0844	1.1300	1.2411	1.2492	1.8555	47.6824	57.5835	49.6636	.0018	5.5048
8.0	3.0844	1.7043	1.00	.3242	3.0844	1.1800	1.2622	1.3181	1.9301	46.9274	56.4647	48.4186	.0020	5.3916
8.0	3.0844	1.7043	1.00	.3242	3.0844	1.2300	1.2810	1.3886	2.0049	46.1632	55.3640	47.1736	.0022	5.2783
8.0	3.0844	1.7043	1.00	.3242	3.0844	1.2800	1.2976	1.4608	2.0801	45.3910	54.2791	45.9286	.0024	5.1651
8.0	3.0844	1.7043	1.00	.3242	3.0844	1.3300	1.3121	1.5348	2.1559	44.6115	53.2079	44.6837	.0027	5.0519
8.0	3.0844	1.7043	1.00	.3242	3.0844	1.3800	1.3245	1.6106	2.2325	43.8251	52.1483	43.4387	.0030	4.9386
8.0	3.0844	1.7043	1.00	.3242	3.0844	1.4300	1.3350	1.6885	2.3099	43.0321	51.0986	42.1937	.0033	4.8254
8.0	3.0844	1.7043	1.00	.3242	3.0844	1.4800	1.3435	1.7684	2.3883	42.2327	50.0572	40.9487	.0037	4.7122
8.0	3.0844	1.7043	1.00	.3242	3.0844	1.5300	1.3501	1.8505	2.4680	41.4268	49.0225	39.7038	.0042	4.5989
8.0	3.0844	1.7043	1.00	.3242	3.0844	1.5800	1.3549	1.9349	2.5489	40.6141	47.9931	38.4588	.0047	4.4856
8.0	3.0844	1.7043	1.00	.3242	3.0844	1.6300	1.3578	2.0218	2.6314	39.7944	46.9675	37.2138	.0053	4.3724
8.0	3.0844	1.7043	1.00	.3242	3.0844	1.6800	1.3588	2.1114	2.7156	38.9672	45.9445	35.9688	.0060	4.2591
8.0	3.0844	1.7043	1.00	.3242	3.0844	1.7300	1.3581	2.2037	2.8016	38.1322	44.9226	34.7239	.0068	4.1459
8.0	3.0844	1.7043	1.00	.3242	3.0844	1.7800	1.3554	2.2990	2.8897	37.2887	43.9007	33.4789	.0078	4.0326
8.0	3.0844	1.7043	1.00	.3242	3.0844	1.8300	1.3510	2.3975	2.9801	36.4360	42.8773	32.2339	.0089	3.9193
8.0	3.0844	1.7043	1.00	.3242	3.0844	1.8800	1.3446	2.4994	3.0729	35.5734	41.8512	30.9889	.0102	3.8060
8.0	3.0844	1.7043	1.00	.3242	3.0844	1.9300	1.3364	2.6050	3.1685	34.6999	40.8211	29.7440	.0117	3.6927
8.0	3.0844	1.7043	1.00	.3242	3.0844	1.9800	1.3262	2.7144	3.2671	33.8146	39.7855	28.4990	.0136	3.5794
8.0	3.0844	1.7043	1.00	.3242	3.0844	2.0300	1.3141	2.8281	3.3689	32.9164	38.7429	27.2540	.0157	3.4661
8.0	3.0844	1.7043	1.00	.3242	3.0844	2.0800	1.2999	2.9463	3.4744	32.0039	37.6918	26.0090	.0183	3.3527
8.0	3.0844	1.7043	1.00	.3242	3.0844	2.1300	1.2837	3.0695	3.5838	31.0757	36.6306	24.7640	.0214	3.2394
8.0	3.0844	1.7043	1.00	.3242	3.0844	2.1800	1.2652	3.1980	3.6976	30.1302	35.5574	23.5191	.0252	3.1260
8.0	3.0844	1.7043	1.00	.3242	3.0844	2.2300	1.2445	3.3324	3.8162	29.1654	34.4703	22.2741	.0298	3.0126
8.0	3.0844	1.7043	1.00	.3242	3.0844	2.2800	1.2215	3.4731	3.9401	28.1793	33.3671	21.0291	.0354	2.8992
8.0	3.0844	1.7043	1.00	.3242	3.0844	2.3300	1.1959	3.6208	4.0699	27.1691	32.2452	19.7841	.0423	2.7858
8.0	3.0844	1.7043	1.00	.3242	3.0844	2.3800	1.1676	3.7762	4.2062	26.1321	31.1020	18.5392	.0509	2.6723
8.0	3.0844	1.7043	1.00	.3242	3.0844	2.4300	1.1365	3.9401	4.3498	25.0646	29.9342	17.2942	.0616	2.5587
8.0	3.0844	1.7043	1.00	.3242	3.0844	2.4800	1.1022	4.1135	4.5015	23.9624	28.7380	16.0492	.0751	2.4452
8.0	3.0844	1.7043	1.00	.3242	3.0844	2.5300	1.0646	4.2975	4.6625	22.8204	27.5091	14.8042	.0922	2.3315
8.0	3.0844	1.7043	1.00	.3242	3.0844	2.5800	1.0232	4.4934	4.8339	21.6322	26.2421	13.5593	.1139	2.2178
8.0	3.0844	1.7043	1.00	.3242	3.0844	2.6300	.9776	4.7028	5.0172	20.3897	24.9306	12.3143	.1420	2.1039
8.0	3.0844	1.7043	1.00	.3242	3.0844	2.6800	.9271	4.9276	5.2141	19.0826	23.5662	11.0693	.1783	1.9900
8.0	3.0844	1.7043	1.00	.3242	3.0844	2.7300	.8711	5.1700	5.4268	17.6969	22.1387	9.8243	.2255	1.8758
8.0	3.0844	1.7043	1.00	.3242	3.0844	2.7800	.8084	5.4331	5.6582	16.2136	20.6340	8.5794	.2874	1.7613
8.0	3.0844	1.7043	1.00	.3242	3.0844	2.8300	.7374	5.7206	5.9117	14.6053	19.0332	7.3344	.3683	1.6464
8.0	3.0844	1.7043	1.00	.3242	3.0844	2.8800	.6559	6.0376	6.1922	12.8297	17.3089	6.0894	.4733	1.5307
8.0	3.0844	1.7043	1.00	.3242	3.0844	2.9300	.5598	6.3912	6.5068	10.8168	15.4189	4.8444	.6064	1.4139
8.0	3.0844	1.7043	1.00	.3242	3.0844	2.9800	.4419	6.7933	6.8676	8.4354	13.2916	3.5995	.7648	1.2945
8.0	3.0844	1.7043	1.00	.3242	3.0844	3.0300	.2855	7.2689	7.3011	5.3834	10.7865	2.3545	.9230	1.1689
8.0	3.0844	1.7043	1.00	.3242	3.0844	3.0800	.0333	7.9196	7.9201	.6186	7.5346	1.1095	.9999	1.0175
8.0	3.0844	1.7043	1.08	.3573	2.7988	.3600	.0806	.3454	.3539	12.6213	88.2296	68.1191	.0004	8.5246
8.0	3.0844	1.7043	1.08	.3573	2.7988	.4100	.3519	.3962	.5222	40.6418	82.1663	66.7745	.0005	8.4023
8.0	3.0844	1.7043	1.08	.3573	2.7988	.4600	.4860	.4478	.6514	46.5756	79.0326	65.4299	.0005	8.2800
8.0	3.0844	1.7043	1.08	.3573	2.7988	.5100	.5862	.5002	.7620	48.9743	76.5871	64.0854	.0005	8.1577
8.0	3.0844	1.7043	1.08	.3573	2.7988	.5600	.6678	.5534	.8612	50.0174	74.4999	62.7408	.0006	8.0354
8.0	3.0844	1.7043	1.08	.3573	2.7988	.6100	.7371	.6074	.9528	50.3901	72.6407	61.3962	.0006	7.9131
8.0	3.0844	1.7043	1.08	.3573	2.7988	.6600	.7973	.6624	1.0387	50.3825	70.9421	60.0516	.0007	7.7907
8.0	3.0844	1.7043	1.08	.3573	2.7988	.7100	.8503	.7182	1.1206	50.1395	69.3639	58.7071	.0007	7.6684
8.0	3.0844	1.7043	1.08	.3573	2.7988	.7600	.8975	.7750	1.1992	49.7414	67.8797	57.3625	.0008	7.5461
8.0	3.0844	1.7043	1.08	.3573	2.7988	.8100	.9396	.8328	1.2754	49.2365	66.4712	56.0179	.0008	7.4238
8.0	3.0844	1.7043	1.08	.3573	2.7988	.8600	.9774	.8915	1.3496	48.6550	65.1250	54.6733	.0009	7.3015
8.0	3.0844	1.7043	1.08	.3573	2.7988	.9100	1.0113	.9514	1.4223	48.0171	63.8310	53.3288	.0010	7.1791
8.0	3.0844	1.7043	1.08	.3573	2.7988	.9600	1.0417	1.0123	1.4937	47.3362	62.5813	51.9842	.0011	7.0568
8.0	3.0844	1.7043	1.08	.3573	2.7988	1.0100	1.0689	1.0744	1.5643	46.6220	61.3696	50.6396	.0011	6.9345
8.0	3.0844	1.7043	1.08	.3573	2.7988	1.0600	1.0931	1.1376	1.6342	45.8811	60.1907	49.2950	.0012	6.8121
8.0	3.0844	1.7043	1.08	.3573	2.7988	1.1100	1.1146	1.2022	1.7036	45.1184	59.0404	47.9505	.0013	6.6898
8.0	3.0844	1.7043	1.08	.3573	2.7988	1.1600	1.1335	1.2680	1.7728	44.3374	57.9150	46.6059	.0015	6.5674
8.0	3.0844	1.7043	1.08	.3573	2.7988	1.2100	1.1499	1.3351	1.8418	43.5406	56.8115	45.2613	.0016	6.4450
8.0	3.0844	1.7043	1.08	.3573	2.7988	1.2600	1.1639	1.4037	1.9109	42.7298	55.7272	43.9168	.0017	6.3226
8.0	3.0844	1.7043	1.08	.3573	2.7988	1.3100	1.1756	1.4737	1.9801	41.9061	54.6599	42.5722	.0019	6.2003
8.0	3.0844	1.7043	1.08	.3573	2.7988	1.3600	1.1852	1.5453	2.0497	41.0705	53.6074	41.2276	.0021	6.0779
8.0	3.0844	1.7043	1.08	.3573	2.7988	1.4100	1.1925	1.6185	2.1197	40.2235	52.5680	39.8830	.0023	5.9555
8.0	3.0844	1.7043	1.08	.3573	2.7988	1.4600	1.1978	1.6934	2.1903	39.3651	51.5401	38.5385	.0025	5.8330
8.0	3.0844	1.7043	1.08	.3573	2.7988	1.5100	1.2009	1.7700	2.2616	38.4953	50.5222	37.1939	.0027	5.7106
8.0	3.0844	1.7043	1.08	.3573	2.7988	1.5600	1.2020	1.8486	2.3336	37.6140	49.5129	35.8493	.0030	5.5882
8.0	3.0844	1.7043	1.08	.3573	2.7988	1.6100	1.2010	1.9291	2.4066	36.7206	48.5111	34.5047	.0033	5.4657
8.0	3.0844	1.7043	1.08	.3573	2.7988	1.6600	1.1979	2.0116	2.4807	35.8145	47.5157	33.1602	.0036	5.3432
8.0	3.0844	1.7043	1.08	.3573	2.7988	1.7100	1.1927	2.0964	2.5560	34.8950	46.5258	31.8156	.0040	5.2207
8.0	3.0844	1.7043	1.08	.3573	2.7988	1.7600	1.1854	2.1835	2.6325	33.9610	45.5403	30.4710	.0044	5.0982
8.0	3.0844	1.7043	1.08	.3573	2.7988	1.8100	1.1759	2.2730	2.7106	33.0115	44.5586	29.1264	.0048	4.9756
8.0	3.0844	1.7043	1.08	.3573	2.7988	1.8600	1.1643	2.3651	2.7902	32.0450	43.5800	27.7819	.0054	4.8530
8.0	3.0844	1.7043	1.08	.3573	2.7988	1.9100	1.1504	2.4600	2.8717	31.0599	42.6040	26.4373	.0059	4.7304
8.0	3.0844	1.7043	1.08	.3573	2.7988	1.9600	1.1341	2.5577	2.9550	30.0544	41.6303	25.0927	.0066	4.6078
8.0	3.0844	1.7043	1.08	.3573	2.7988	2.0100	1.1154	2.6586	3.0405	29.0263	40.6586	23.7481	.0073	4.4851
8.0	3.0844	1.7043	1.08	.3573	2.7988	2.0600	1.0941	2.7628	3.1283	27.9730	39.6890	22.4036	.0082	4.3623
8.0	3.0844	1.7043	1.08	.3573	2.7988	2.1100	1.0701	2.8706	3.2186	26.8914	38.7221	21.0590	.0091	4.2395
8.0	3.0844	1.7043	1.08	.3573	2.7988	2.1600	1.0432	2.9822	3.3117	25.7780	37.7590	19.7144	.0102	4.1165
8.0	3.0844	1.7043	1.08	.3573	2.7988	2.2100	1.0131	3.0978	3.4078	24.6284	36.8013	18.3699	.0114	3.9935
8.0	3.0844	1.7043	1.08	.3573	2.7988	2.2600	.9797	3.2179	3.5073	23.4374	35.8520	17.0253	.0128	3.8704
8.0	3.0844	1.7043	1.08	.3573	2.7988	2.3100	.9426	3.3428	3.6104	22.1982	34.9159	15.6807	.0143	3.7471
8.0	3.0844	1.7043	1.08	.3573	2.7988	2.3600	.9013	3.4728	3.7175	20.9028	34.0005	14.3361	.0159	3.6236
8.0	3.0844	1.7043	1.08	.3573	2.7988	2.4100	.8553	3.6086	3.8291	19.5403	33.1178	12.9916	.0178	3.4999
8.0	3.0844	1.7043	1.08	.3573	2.7988	2.4600	.8039	3.7505	3.9457	18.0966	32.2880	11.6470	.0198	3.3758
8.0	3.0844	1.7043	1.08	.3573	2.7988	2.5100	.7460	3.8994	4.0680	16.5523	31.5458	10.3024	.0220	3.2512
8.0	3.0844	1.7043	1.08	.3573	2.7988	2.5600	.6802	4.0560	4.1967	14.8795	30.9548	8.9578	.0242	3.1259
8.0	3.0844	1.7043	1.08	.3573	2.7988	2.6100	.6043	4.2214	4.3330	13.0355	30.6421	7.6133	.0263	2.9996
8.0	3.0844	1.7043	1.08	.3573	2.7988	2.6600	.5146	4.3971	4.4786	10.9497	30.8970	6.2687	.0282	2.8715
8.0	3.0844	1.7043	1.08	.3573	2.7988	2.7100	.4044	4.5857	4.6365	8.4870	32.5345	4.9241	.0293	2.7404
8.0	3.0844	1.7043	1.08	.3573	2.7988	2.7600	.2561	4.7923	4.8129	5.3004	39.0826	3.5795	.0290	2.6026

8.0	3.0844	1.7043	1.16	.3928	2.5456	.4000	.1230	.3845	.4022	17.0932	87.1419	66.2466	.0004	9.7989
8.0	3.0844	1.7043	1.16	.3928	2.5456	.4500	.3432	.4354	.5476	37.3322	81.9076	64.8025	.0005	9.6675
8.0	3.0844	1.7043	1.16	.3928	2.5456	.5000	.4642	.4871	.6647	42.8722	78.8903	63.3583	.0005	9.5361
8.0	3.0844	1.7043	1.16	.3928	2.5456	.5500	.5551	.5396	.7666	45.2643	76.5093	61.9141	.0005	9.4047
8.0	3.0844	1.7043	1.16	.3928	2.5456	.6000	.6291	.5928	.8590	46.3580	74.4687	60.4699	.0006	9.2733
8.0	3.0844	1.7043	1.16	.3928	2.5456	.6500	.6917	.6468	.9445	46.7818	72.6477	59.0258	.0006	9.1418
8.0	3.0844	1.7043	1.16	.3928	2.5456	.7000	.7458	.7016	1.0252	46.8139	70.9827	57.5816	.0006	9.0104
8.0	3.0844	1.7043	1.16	.3928	2.5456	.7500	.7930	.7573	1.1021	46.5975	69.4354	56.1374	.0007	8.8790
8.0	3.0844	1.7043	1.16	.3928	2.5456	.8000	.8346	.8138	1.1761	46.2138	67.9808	54.6933	.0007	8.7475
8.0	3.0844	1.7043	1.16	.3928	2.5456	.8500	.8714	.8712	1.2477	45.7122	66.6012	53.2491	.0008	8.6161
8.0	3.0844	1.7043	1.16	.3928	2.5456	.9000	.9039	.9296	1.3175	45.1245	65.2838	51.8049	.0008	8.4846
8.0	3.0844	1.7043	1.16	.3928	2.5456	.9500	.9326	.9890	1.3859	44.4716	64.0189	50.3607	.0009	8.3531
8.0	3.0844	1.7043	1.16	.3928	2.5456	1.0000	.9579	1.0493	1.4530	43.7681	62.7991	48.9166	.0009	8.2216
8.0	3.0844	1.7043	1.16	.3928	2.5456	1.0500	.9800	1.1107	1.5193	43.0241	61.6183	47.4724	.0010	8.0901
8.0	3.0844	1.7043	1.16	.3928	2.5456	1.1000	.9991	1.1731	1.5848	42.2469	60.4716	46.0282	.0011	7.9586
8.0	3.0844	1.7043	1.16	.3928	2.5456	1.1500	1.0153	1.2367	1.6498	41.4415	59.3552	44.5841	.0012	7.8271
8.0	3.0844	1.7043	1.16	.3928	2.5456	1.2000	1.0290	1.3015	1.7144	40.6118	58.2658	43.1399	.0012	7.6955
8.0	3.0844	1.7043	1.16	.3928	2.5456	1.2500	1.0400	1.3675	1.7789	39.7602	57.2007	41.6957	.0013	7.5640
8.0	3.0844	1.7043	1.16	.3928	2.5456	1.3000	1.0485	1.4347	1.8432	38.8886	56.1577	40.2515	.0014	7.4324
8.0	3.0844	1.7043	1.16	.3928	2.5456	1.3500	1.0547	1.5032	1.9076	37.9982	55.1349	38.8074	.0015	7.3008
8.0	3.0844	1.7043	1.16	.3928	2.5456	1.4000	1.0584	1.5732	1.9721	37.0896	54.1308	37.3632	.0016	7.1691
8.0	3.0844	1.7043	1.16	.3928	2.5456	1.4500	1.0598	1.6445	2.0369	36.1629	53.1443	35.9190	.0018	7.0375
8.0	3.0844	1.7043	1.16	.3928	2.5456	1.5000	1.0588	1.7174	2.1021	35.2181	52.1744	34.4749	.0019	6.9058
8.0	3.0844	1.7043	1.16	.3928	2.5456	1.5500	1.0555	1.7918	2.1678	34.2546	51.2206	33.0307	.0020	6.7741
8.0	3.0844	1.7043	1.16	.3928	2.5456	1.6000	1.0499	1.8678	2.2340	33.2716	50.2827	31.5865	.0022	6.6423
8.0	3.0844	1.7043	1.16	.3928	2.5456	1.6500	1.0418	1.9456	2.3010	32.2678	49.3607	30.1423	.0023	6.5105
8.0	3.0844	1.7043	1.16	.3928	2.5456	1.7000	1.0313	2.0252	2.3687	31.2419	48.4553	28.6982	.0025	6.3787
8.0	3.0844	1.7043	1.16	.3928	2.5456	1.7500	1.0182	2.1066	2.4373	30.1920	47.5674	27.2540	.0027	6.2467
8.0	3.0844	1.7043	1.16	.3928	2.5456	1.8000	1.0025	2.1901	2.5069	29.1157	46.6987	25.8098	.0029	6.1147
8.0	3.0844	1.7043	1.16	.3928	2.5456	1.8500	.9841	2.2756	2.5776	28.0103	45.8518	24.3657	.0032	5.9827
8.0	3.0844	1.7043	1.16	.3928	2.5456	1.9000	.9628	2.3634	2.6495	26.8725	45.0302	22.9215	.0034	5.8505
8.0	3.0844	1.7043	1.16	.3928	2.5456	1.9500	.9384	2.4535	2.7228	25.6981	44.2391	21.4773	.0036	5.7182
8.0	3.0844	1.7043	1.16	.3928	2.5456	2.0000	.9107	2.5460	2.7976	24.4822	43.4857	20.0331	.0039	5.5858
8.0	3.0844	1.7043	1.16	.3928	2.5456	2.0500	.8794	2.6412	2.8740	23.2185	42.7805	18.5890	.0042	5.4532
8.0	3.0844	1.7043	1.16	.3928	2.5456	2.1000	.8442	2.7392	2.9523	21.8992	42.1386	17.1448	.0045	5.3203
8.0	3.0844	1.7043	1.16	.3928	2.5456	2.1500	.8045	2.8402	3.0325	20.5143	41.5824	15.7006	.0048	5.1872
8.0	3.0844	1.7043	1.16	.3928	2.5456	2.2000	.7597	2.9444	3.1150	19.0503	41.1463	14.2565	.0051	5.0537
8.0	3.0844	1.7043	1.16	.3928	2.5456	2.2500	.7090	3.0520	3.1999	17.4891	40.8852	12.8123	.0054	4.9198
8.0	3.0844	1.7043	1.16	.3928	2.5456	2.3000	.6510	3.1634	3.2877	15.8048	40.8921	11.3681	.0056	4.7851
8.0	3.0844	1.7043	1.16	.3928	2.5456	2.3500	.5841	3.2790	3.3788	13.9581	41.3360	9.9239	.0058	4.6495
8.0	3.0844	1.7043	1.16	.3928	2.5456	2.4000	.5051	3.3992	3.4737	11.8842	42.5606	8.4798	.0060	4.5124
8.0	3.0844	1.7043	1.16	.3928	2.5456	2.4500	.4082	3.5249	3.5735	9.4587	45.3915	7.0356	.0060	4.3730
8.0	3.0844	1.7043	1.16	.3928	2.5456	2.5000	.2787	3.6574	3.6801	6.3616	52.5422	5.5914	.0058	4.2295

8.0	3.0844	1.7043	1.24	.4315	2.3174	.4400	.1250	.4236	.4403	15.8652	86.9278	64.2148	.0004	11.1618
8.0	3.0844	1.7043	1.24	.4315	2.3174	.4900	.3240	.4747	.5691	33.4759	81.9110	62.6711	.0005	11.0213
8.0	3.0844	1.7043	1.24	.4315	2.3174	.5400	.4352	.5265	.6762	38.8633	78.9577	61.1273	.0005	10.8807
8.0	3.0844	1.7043	1.24	.4315	2.3174	.5900	.5184	.5790	.7708	41.3038	76.6230	59.5835	.0005	10.7402
8.0	3.0844	1.7043	1.24	.4315	2.3174	.6400	.5858	.6322	.8571	42.4666	74.6225	58.0398	.0005	10.5996
8.0	3.0844	1.7043	1.24	.4315	2.3174	.6900	.6423	.6862	.9375	42.9485	72.8391	56.4960	.0006	10.4591
8.0	3.0844	1.7043	1.24	.4315	2.3174	.7400	.6906	.7409	1.0134	43.0223	71.2108	54.9522	.0006	10.3185
8.0	3.0844	1.7043	1.24	.4315	2.3174	.7900	.7324	.7964	1.0860	42.8317	69.7005	53.4084	.0006	10.1779
8.0	3.0844	1.7043	1.24	.4315	2.3174	.8400	.7686	.8527	1.1558	42.4595	68.2837	51.8647	.0007	10.0373
8.0	3.0844	1.7043	1.24	.4315	2.3174	.8900	.8002	.9099	1.2235	41.9570	66.9434	50.3209	.0007	9.8966
8.0	3.0844	1.7043	1.24	.4315	2.3174	.9400	.8275	.9679	1.2895	41.3572	65.6674	48.7771	.0007	9.7560
8.0	3.0844	1.7043	1.24	.4315	2.3174	.9900	.8510	1.0268	1.3540	40.6823	64.4464	47.2334	.0008	9.6153
8.0	3.0844	1.7043	1.24	.4315	2.3174	1.0400	.8710	1.0867	1.4174	39.9475	63.2734	45.6896	.0008	9.4746
8.0	3.0844	1.7043	1.24	.4315	2.3174	1.0900	.8878	1.1475	1.4799	39.1637	62.1430	44.1458	.0009	9.3339
8.0	3.0844	1.7043	1.24	.4315	2.3174	1.1400	.9016	1.2092	1.5417	38.3384	61.0510	42.6021	.0009	9.1932
8.0	3.0844	1.7043	1.24	.4315	2.3174	1.1900	.9124	1.2721	1.6029	37.4770	59.9941	41.0583	.0010	9.0524
8.0	3.0844	1.7043	1.24	.4315	2.3174	1.2400	.9203	1.3359	1.6637	36.5831	58.9698	39.5145	.0010	8.9116
8.0	3.0844	1.7043	1.24	.4315	2.3174	1.2900	.9256	1.4009	1.7242	35.6593	57.9766	37.9707	.0011	8.7708
8.0	3.0844	1.7043	1.24	.4315	2.3174	1.3400	.9281	1.4670	1.7846	34.7070	57.0132	36.4270	.0012	8.6299
8.0	3.0844	1.7043	1.24	.4315	2.3174	1.3900	.9280	1.5344	1.8449	33.7271	56.0792	34.8832	.0012	8.4890
8.0	3.0844	1.7043	1.24	.4315	2.3174	1.4400	.9252	1.6029	1.9052	32.7195	55.1747	33.3394	.0013	8.3480
8.0	3.0844	1.7043	1.24	.4315	2.3174	1.4900	.9197	1.6728	1.9657	31.6837	54.3007	31.7957	.0014	8.2069
8.0	3.0844	1.7043	1.24	.4315	2.3174	1.5400	.9114	1.7440	2.0265	30.6185	53.4589	30.2519	.0015	8.0658
8.0	3.0844	1.7043	1.24	.4315	2.3174	1.5900	.9004	1.8166	2.0876	29.5221	52.6519	28.7081	.0015	7.9246
8.0	3.0844	1.7043	1.24	.4315	2.3174	1.6400	.8865	1.8906	2.1491	28.3921	51.8837	27.1644	.0016	7.7833
8.0	3.0844	1.7043	1.24	.4315	2.3174	1.6900	.8695	1.9662	2.2112	27.2254	51.1598	25.6206	.0017	7.6419
8.0	3.0844	1.7043	1.24	.4315	2.3174	1.7400	.8493	2.0434	2.2738	26.0178	50.4880	24.0768	.0018	7.5004
8.0	3.0844	1.7043	1.24	.4315	2.3174	1.7900	.8257	2.1222	2.3372	24.7643	49.8790	22.5331	.0019	7.3587
8.0	3.0844	1.7043	1.24	.4315	2.3174	1.8400	.7985	2.2029	2.4013	23.4583	49.3479	20.9893	.0020	7.2168
8.0	3.0844	1.7043	1.24	.4315	2.3174	1.8900	.7671	2.2853	2.4664	22.0915	48.9162	19.4455	.0020	7.0746
8.0	3.0844	1.7043	1.24	.4315	2.3174	1.9400	.7312	2.3698	2.5325	20.6529	48.6151	17.9017	.0021	6.9321
8.0	3.0844	1.7043	1.24	.4315	2.3174	1.9900	.6902	2.4563	2.5998	19.1275	48.4918	16.3580	.0022	6.7893
8.0	3.0844	1.7043	1.24	.4315	2.3174	2.0400	.6430	2.5450	2.6685	17.4949	48.6202	14.8142	.0023	6.6459
8.0	3.0844	1.7043	1.24	.4315	2.3174	2.0900	.5884	2.6362	2.7387	15.7248	49.1228	13.2704	.0023	6.5018
8.0	3.0844	1.7043	1.24	.4315	2.3174	2.1400	.5244	2.7299	2.8106	13.7697	50.2191	11.7267	.0023	6.3567
8.0	3.0844	1.7043	1.24	.4315	2.3174	2.1900	.4474	2.8264	2.8848	11.5462	52.3480	10.1829	.0023	6.2102
8.0	3.0844	1.7043	1.24	.4315	2.3174	2.2400	.3499	2.9262	2.9616	8.8774	56.5635	8.6391	.0023	6.0615
8.0	3.0844	1.7043	1.24	.4315	2.3174	2.2900	.2076	3.0298	3.0422	5.1812	66.6012	7.0954	.0022	5.9092

8.0	3.0844	1.7043	1.32	.4744	2.1079	.4800	.0945	.4627	.4716	11.1406	87.5449	62.0237	.0004	12.6132
8.0	3.0844	1.7043	1.32	.4744	2.1079	.5300	.2935	.5140	.5875	28.9743	82.2437	60.3803	.0005	12.4635
8.0	3.0844	1.7043	1.32	.4744	2.1079	.5800	.3979	.5659	.6862	34.4521	79.2938	58.7369	.0005	12.3139
8.0	3.0844	1.7043	1.32	.4744	2.1079	.6300	.4749	.6184	.7745	37.0106	76.9848	57.0936	.0005	12.1641
8.0	3.0844	1.7043	1.32	.4744	2.1079	.6800	.5365	.6717	.8555	38.2701	75.0182	55.4502	.0005	12.0144
8.0	3.0844	1.7043	1.32	.4744	2.1079	.7300	.5874	.7256	.9313	38.8221	73.2736	53.8068	.0005	11.8647
8.0	3.0844	1.7043	1.32	.4744	2.1079	.7800	.6303	.7802	1.0031	38.9419	71.6884	52.1635	.0006	11.7149
8.0	3.0844	1.7043	1.32	.4744	2.1079	.8300	.6668	.8356	1.0718	38.7767	70.2253	50.5201	.0006	11.5651
8.0	3.0844	1.7043	1.32	.4744	2.1079	.8800	.6978	.8917	1.1380	38.4125	68.8601	48.8767	.0006	11.4153
8.0	3.0844	1.7043	1.32	.4744	2.1079	.9300	.7241	.9486	1.2022	37.9026	67.5764	47.2334	.0006	11.2655
8.0	3.0844	1.7043	1.32	.4744	2.1079	.9800	.7461	1.0064	1.2648	37.2818	66.3623	45.5900	.0007	11.1156
8.0	3.0844	1.7043	1.32	.4744	2.1079	1.0300	.7642	1.0649	1.3260	36.5736	65.2096	43.9466	.0007	10.9657
8.0	3.0844	1.7043	1.32	.4744	2.1079	1.0800	.7787	1.1243	1.3861	35.7939	64.1121	42.3033	.0007	10.8157
8.0	3.0844	1.7043	1.32	.4744	2.1079	1.1300	.7899	1.1846	1.4453	34.9540	63.0655	40.6599	.0008	10.6657
8.0	3.0844	1.7043	1.32	.4744	2.1079	1.1800	.7978	1.2458	1.5038	34.0615	62.0671	39.0165	.0008	10.5156
8.0	3.0844	1.7043	1.32	.4744	2.1079	1.2300	.8025	1.3080	1.5618	33.1217	61.1153	37.3732	.0008	10.3655
8.0	3.0844	1.7043	1.32	.4744	2.1079	1.2800	.8041	1.3711	1.6192	32.1378	60.2097	35.7298	.0009	10.2154
8.0	3.0844	1.7043	1.32	.4744	2.1079	1.3300	.8027	1.4353	1.6764	31.1117	59.3513	34.0864	.0009	10.0651
8.0	3.0844	1.7043	1.32	.4744	2.1079	1.3800	.7982	1.5005	1.7334	30.0438	58.5423	32.4431	.0010	9.9148
8.0	3.0844	1.7043	1.32	.4744	2.1079	1.4300	.7905	1.5668	1.7902	28.9336	57.7863	30.7997	.0010	9.7643
8.0	3.0844	1.7043	1.32	.4744	2.1079	1.4800	.7796	1.6342	1.8471	27.7793	57.0891	29.1563	.0010	9.6138
8.0	3.0844	1.7043	1.32	.4744	2.1079	1.5300	.7654	1.7028	1.9040	26.5779	56.4586	27.5130	.0011	9.4631
8.0	3.0844	1.7043	1.32	.4744	2.1079	1.5800	.7477	1.7727	1.9611	25.3253	55.9061	25.8696	.0011	9.3122
8.0	3.0844	1.7043	1.32	.4744	2.1079	1.6300	.7263	1.8438	2.0185	24.0156	55.4473	24.2262	.0011	9.1612
8.0	3.0844	1.7043	1.32	.4744	2.1079	1.6800	.7007	1.9162	2.0762	22.6409	55.1043	22.5829	.0012	9.0099
8.0	3.0844	1.7043	1.32	.4744	2.1079	1.7300	.6707	1.9900	2.1344	21.1906	54.9090	20.9395	.0012	8.8583
8.0	3.0844	1.7043	1.32	.4744	2.1079	1.7800	.6356	2.0654	2.1931	19.6502	54.9082	19.2961	.0012	8.7064
8.0	3.0844	1.7043	1.32	.4744	2.1079	1.8300	.5946	2.1422	2.2524	17.9991	55.1733	17.6528	.0013	8.5539
8.0	3.0844	1.7043	1.32	.4744	2.1079	1.8800	.5464	2.2207	2.3126	16.2067	55.8191	16.0094	.0013	8.4009
8.0	3.0844	1.7043	1.32	.4744	2.1079	1.9300	.4892	2.3009	2.3737	14.2247	57.0432	14.3660	.0013	8.2470
8.0	3.0844	1.7043	1.32	.4744	2.1079	1.9800	.4197	2.3830	2.4360	11.9671	59.2220	12.7226	.0013	8.0920
8.0	3.0844	1.7043	1.32	.4744	2.1079	2.0300	.3306	2.4672	2.4997	9.2500	63.2048	11.0793	.0012	7.9353
8.0	3.0844	1.7043	1.32	.4744	2.1079	2.0800	.1990	2.5537	2.5654	5.4664	71.7779	9.4359	.0012	7.7761

8.0	3.0844	1.7043	1.40	.5231	1.9116	.5300	.0966	.5121	.5206	10.3277	87.3374	59.3246	.0004	14.1213
8.0	3.0844	1.7043	1.40	.5231	1.9116	.5800	.2726	.5636	.6228	25.1728	82.3401	57.5816	.0004	13.9625
8.0	3.0844	1.7043	1.40	.5231	1.9116	.6300	.3665	.6157	.7123	30.1868	79.4973	55.8386	.0005	13.8036
8.0	3.0844	1.7043	1.40	.5231	1.9116	.6800	.4351	.6685	.7936	32.6139	77.2749	54.0957	.0005	13.6447
8.0	3.0844	1.7043	1.40	.5231	1.9116	.7300	.4892	.7218	.8689	33.8300	75.3892	52.3527	.0005	13.4857
8.0	3.0844	1.7043	1.40	.5231	1.9116	.7800	.5333	.7759	.9399	34.3621	73.7253	50.6097	.0005	13.3268
8.0	3.0844	1.7043	1.40	.5231	1.9116	.8300	.5697	.8306	1.0074	34.4637	72.2233	48.8668	.0005	13.1678
8.0	3.0844	1.7043	1.40	.5231	1.9116	.8800	.5997	.8860	1.0721	34.2739	70.8481	47.1238	.0006	13.0087
8.0	3.0844	1.7043	1.40	.5231	1.9116	.9300	.6243	.9421	1.1347	33.8751	69.5774	45.3808	.0006	12.8496
8.0	3.0844	1.7043	1.40	.5231	1.9116	.9800	.6442	.9989	1.1954	33.3193	68.3964	43.6379	.0006	12.6905
8.0	3.0844	1.7043	1.40	.5231	1.9116	1.0300	.6597	1.0565	1.2547	32.6404	67.2954	41.8949	.0006	12.5313
8.0	3.0844	1.7043	1.40	.5231	1.9116	1.0800	.6712	1.1149	1.3127	31.8612	66.2682	40.1519	.0006	12.3720
8.0	3.0844	1.7043	1.40	.5231	1.9116	1.1300	.6789	1.1741	1.3698	30.9970	65.3114	38.4090	.0007	12.2126
8.0	3.0844	1.7043	1.40	.5231	1.9116	1.1800	.6829	1.2342	1.4259	30.0581	64.4241	36.6660	.0007	12.0532
8.0	3.0844	1.7043	1.40	.5231	1.9116	1.2300	.6832	1.2951	1.4815	29.0508	63.6074	34.9230	.0007	11.8937
8.0	3.0844	1.7043	1.40	.5231	1.9116	1.2800	.6800	1.3569	1.5364	27.9787	62.8650	33.1801	.0007	11.7340
8.0	3.0844	1.7043	1.40	.5231	1.9116	1.3300	.6731	1.4196	1.5910	26.8430	62.2033	31.4371	.0007	11.5743
8.0	3.0844	1.7043	1.40	.5231	1.9116	1.3800	.6624	1.4832	1.6452	25.6425	61.6318	29.6942	.0008	11.4143
8.0	3.0844	1.7043	1.40	.5231	1.9116	1.4300	.6479	1.5478	1.6993	24.3739	61.1648	27.9512	.0008	11.2542
8.0	3.0844	1.7043	1.40	.5231	1.9116	1.4800	.6292	1.6135	1.7532	23.0311	60.8222	26.2082	.0008	11.0939
8.0	3.0844	1.7043	1.40	.5231	1.9116	1.5300	.6059	1.6802	1.8072	21.6053	60.6327	24.4653	.0008	10.9333
8.0	3.0844	1.7043	1.40	.5231	1.9116	1.5800	.5777	1.7480	1.8612	20.0831	60.6381	22.7223	.0008	10.7724
8.0	3.0844	1.7043	1.40	.5231	1.9116	1.6300	.5437	1.8170	1.9154	18.4451	60.9010	20.9793	.0008	10.6110
8.0	3.0844	1.7043	1.40	.5231	1.9116	1.6800	.5028	1.8872	1.9699	16.6618	61.5194	19.2364	.0008	10.4492
8.0	3.0844	1.7043	1.40	.5231	1.9116	1.7300	.4534	1.9586	2.0248	14.6859	62.6560	17.4934	.0008	10.2867
8.0	3.0844	1.7043	1.40	.5231	1.9116	1.7800	.3924	2.0315	2.0802	12.4334	64.6081	15.7504	.0008	10.1232
8.0	3.0844	1.7043	1.40	.5231	1.9116	1.8300	.3137	2.1057	2.1364	9.7263	68.0110	14.0075	.0008	9.9586
8.0	3.0844	1.7043	1.40	.5231	1.9116	1.8800	.1977	2.1816	2.1936	6.0036	74.7816	12.2645	.0008	9.7922
8.0	3.0844	1.7043	1.48	.5805	1.7226	.5900	.1026	.5719	.5805	9.8662	86.9806	56.0578	.0004	15.6805
8.0	3.0844	1.7043	1.48	.5805	1.7226	.6400	.2512	.6238	.6701	21.4298	82.4504	54.2152	.0004	15.5124
8.0	3.0844	1.7043	1.48	.5805	1.7226	.6900	.3327	.6762	.7507	25.7431	79.7795	52.3726	.0004	15.3443
8.0	3.0844	1.7043	1.48	.5805	1.7226	.7400	.3916	.7292	.8250	27.8856	77.6964	50.5301	.0005	15.1761
8.0	3.0844	1.7043	1.48	.5805	1.7226	.7900	.4370	.7828	.8946	28.9513	75.9426	48.6875	.0005	15.0079
8.0	3.0844	1.7043	1.48	.5805	1.7226	.8400	.4730	.8370	.9606	29.3817	74.4123	46.8449	.0005	14.8396
8.0	3.0844	1.7043	1.48	.5805	1.7226	.8900	.5014	.8919	1.0238	29.3975	73.0510	45.0024	.0005	14.6713
8.0	3.0844	1.7043	1.48	.5805	1.7226	.9400	.5237	.9475	1.0846	29.1221	71.8278	43.1598	.0005	14.5028
8.0	3.0844	1.7043	1.48	.5805	1.7226	.9900	.5404	1.0038	1.1436	28.6303	70.7242	41.3172	.0005	14.3343
8.0	3.0844	1.7043	1.48	.5805	1.7226	1.0400	.5523	1.0607	1.2010	27.9692	69.7300	39.4747	.0005	14.1658
8.0	3.0844	1.7043	1.48	.5805	1.7226	1.0900	.5594	1.1184	1.2571	27.1691	68.8406	37.6321	.0006	13.9971
8.0	3.0844	1.7043	1.48	.5805	1.7226	1.1400	.5622	1.1768	1.3121	26.2496	68.0560	35.7896	.0006	13.8282
8.0	3.0844	1.7043	1.48	.5805	1.7226	1.1900	.5605	1.2360	1.3662	25.2224	67.3812	33.9470	.0006	13.6593
8.0	3.0844	1.7043	1.48	.5805	1.7226	1.2400	.5545	1.2960	1.4196	24.0934	66.8256	32.1044	.0006	13.4902
8.0	3.0844	1.7043	1.48	.5805	1.7226	1.2900	.5440	1.3568	1.4725	22.8638	66.4050	30.2619	.0006	13.3208
8.0	3.0844	1.7043	1.48	.5805	1.7226	1.3400	.5286	1.4184	1.5248	21.5295	66.1431	28.4193	.0006	13.1513
8.0	3.0844	1.7043	1.48	.5805	1.7226	1.3900	.5082	1.4809	1.5768	20.0812	66.0751	26.5767	.0006	12.9814
8.0	3.0844	1.7043	1.48	.5805	1.7226	1.4400	.4819	1.5444	1.6285	18.5024	66.2538	24.7342	.0006	12.8112
8.0	3.0844	1.7043	1.48	.5805	1.7226	1.4900	.4489	1.6087	1.6802	16.7658	66.7608	22.8916	.0006	12.6406
8.0	3.0844	1.7043	1.48	.5805	1.7226	1.5400	.4076	1.6741	1.7317	14.8257	67.7298	21.0490	.0006	12.4695
8.0	3.0844	1.7043	1.48	.5805	1.7226	1.5900	.3554	1.7405	1.7834	12.5987	69.3984	19.2065	.0006	12.2976
8.0	3.0844	1.7043	1.48	.5805	1.7226	1.6400	.2864	1.8080	1.8353	9.9068	72.2605	17.3639	.0006	12.1248
8.0	3.0844	1.7043	1.48	.5805	1.7226	1.6900	.1834	1.8766	1.8876	6.1938	77.7590	15.5214	.0006	11.9508
8.0	3.0844	1.7043	1.56	.6525	1.5325	.6600	.0798	.6423	.6470	6.8945	87.4747	52.1635	.0004	17.2851
8.0	3.0844	1.7043	1.56	.6525	1.5325	.7100	.2150	.6946	.7257	16.8481	83.0330	50.2213	.0004	17.1077
8.0	3.0844	1.7043	1.56	.6525	1.5325	.7600	.2848	.7474	.7981	20.5454	80.5402	48.2791	.0004	16.9302
8.0	3.0844	1.7043	1.56	.6525	1.5325	.8100	.3333	.8007	.8659	22.3657	78.6439	46.3370	.0004	16.7526
8.0	3.0844	1.7043	1.56	.6525	1.5325	.8600	.3689	.8547	.9300	23.2169	77.0908	44.3948	.0004	16.5750
8.0	3.0844	1.7043	1.56	.6525	1.5325	.9100	.3952	.9093	.9913	23.4722	75.7813	42.4527	.0005	16.3973
8.0	3.0844	1.7043	1.56	.6525	1.5325	.9600	.4139	.9645	1.0503	23.3209	74.6680	40.5105	.0005	16.2194
8.0	3.0844	1.7043	1.56	.6525	1.5325	1.0100	.4260	1.0203	1.1074	22.8698	73.7280	38.5683	.0005	16.0415
8.0	3.0844	1.7043	1.56	.6525	1.5325	1.0600	.4322	1.0768	1.1629	22.1820	72.9531	36.6262	.0005	15.8633
8.0	3.0844	1.7043	1.56	.6525	1.5325	1.1100	.4327	1.1340	1.2171	21.2951	72.3463	34.6840	.0005	15.6850
8.0	3.0844	1.7043	1.56	.6525	1.5325	1.1600	.4275	1.1919	1.2703	20.2291	71.9215	32.7419	.0005	15.5065
8.0	3.0844	1.7043	1.56	.6525	1.5325	1.2100	.4164	1.2505	1.3225	18.9911	71.7047	30.7997	.0005	15.3278
8.0	3.0844	1.7043	1.56	.6525	1.5325	1.2600	.3991	1.3099	1.3740	17.5749	71.7391	28.8575	.0005	15.1488
8.0	3.0844	1.7043	1.56	.6525	1.5325	1.3100	.3746	1.3700	1.4249	15.9595	72.0943	26.9154	.0005	14.9694
8.0	3.0844	1.7043	1.56	.6525	1.5325	1.3600	.3416	1.4309	1.4753	14.1002	72.8865	24.9732	.0005	14.7895
8.0	3.0844	1.7043	1.56	.6525	1.5325	1.4100	.2973	1.4926	1.5254	11.9062	74.3260	23.0310	.0005	14.6091
8.0	3.0844	1.7043	1.56	.6525	1.5325	1.4600	.2356	1.5552	1.5753	9.1659	76.8645	21.0889	.0005	14.4280
8.0	3.0844	1.7043	1.56	.6525	1.5325	1.5100	.1348	1.6187	1.6252	5.1010	82.0035	19.1467	.0005	14.2460
8.0	3.0844	1.7043	1.64	.7564	1.3220	.7600	.0442	.7445	.7458	3.3284	88.4642	46.7653	.0004	18.8544
8.0	3.0844	1.7043	1.64	.7564	1.3220	.8100	.1636	.7975	.8135	11.4164	84.1577	44.7235	.0004	18.6675
8.0	3.0844	1.7043	1.64	.7564	1.3220	.8600	.2159	.8510	.8774	14.0940	82.0620	42.6817	.0004	18.4805
8.0	3.0844	1.7043	1.64	.7564	1.3220	.9100	.2481	.9050	.9381	15.2521	80.5980	40.6400	.0004	18.2933
8.0	3.0844	1.7043	1.64	.7564	1.3220	.9600	.2676	.9597	.9963	15.5755	79.5334	38.5982	.0004	18.1060
8.0	3.0844	1.7043	1.64	.7564	1.3220	1.0100	.2770	1.0149	1.0524	15.3388	78.7950	36.5565	.0004	17.9184
8.0	3.0844	1.7043	1.64	.7564	1.3220	1.0600	.2775	1.0708	1.1069	14.6716	78.3709	34.5147	.0004	17.7307
8.0	3.0844	1.7043	1.64	.7564	1.3220	1.1100	.2691	1.1273	1.1600	13.6294	78.2902	32.4729	.0004	17.5427
8.0	3.0844	1.7043	1.64	.7564	1.3220	1.1600	.2511	1.1845	1.2119	12.2123	78.6301	30.4312	.0004	17.3543
8.0	3.0844	1.7043	1.64	.7564	1.3220	1.2100	.2210	1.2423	1.2628	10.3510	79.5520	28.3894	.0004	17.1656
8.0	3.0844	1.7043	1.64	.7564	1.3220	1.2600	.1730	1.3008	1.3130	7.8171	81.4348	26.3477	.0004	16.9763
8.0	3.0844	1.7043	1.64	.7564	1.3220	1.3100	.0796	1.3600	1.3626	3.4769	85.8558	24.3059	.0004	16.7865

PROPERTIES ACROSS AN OBLIQUE DETONATION WAVE

GAMMA = 1.2

M1	M1*	DELMAX	DEL	XMIN	XMAX	X(M2U*)	Y(M2V*)	M2U	M2	THETA	SIGMA	PR21	PTR21	TR21
11.0	3.1875	1.7506	1.00	.3137	3.1875	.3200	.1336	.3068	.3325	22.6610	87.3324	131.6232	.0000	12.9568
11.0	3.1875	1.7506	1.00	.3137	3.1875	.3700	.3965	.3576	.5241	46.9812	81.9893	129.3455	.0000	12.7497
11.0	3.1875	1.7506	1.00	.3137	3.1875	.4200	.5400	.4093	.6666	52.1250	78.9592	127.0679	.0000	12.5427
11.0	3.1875	1.7506	1.00	.3137	3.1875	.4700	.6488	.4618	.7872	54.0810	76.5717	124.7903	.0000	12.3356
11.0	3.1875	1.7506	1.00	.3137	3.1875	.5200	.7385	.5153	.8950	54.8488	74.5258	122.5126	.0000	12.1285
11.0	3.1875	1.7506	1.00	.3137	3.1875	.5700	.8153	.5697	.9943	55.0418	72.6992	120.2350	.0000	11.9214
11.0	3.1875	1.7506	1.00	.3137	3.1875	.6200	.8827	.6251	1.0876	54.9153	71.0279	117.9574	.0000	11.7144
11.0	3.1875	1.7506	1.00	.3137	3.1875	.6700	.9426	.6816	1.1765	54.5946	69.4735	115.6798	.0000	11.5073
11.0	3.1875	1.7506	1.00	.3137	3.1875	.7200	.9964	.7391	1.2620	54.1488	68.0104	113.4021	.0001	11.3002
11.0	3.1875	1.7506	1.00	.3137	3.1875	.7700	1.0451	.7978	1.3450	53.6184	66.6210	111.1245	.0001	11.0932
11.0	3.1875	1.7506	1.00	.3137	3.1875	.8200	1.0893	.8577	1.4261	53.0289	65.2924	108.8469	.0001	10.8861
11.0	3.1875	1.7506	1.00	.3137	3.1875	.8700	1.1296	.9187	1.5057	52.3972	64.0146	106.5692	.0001	10.6790
11.0	3.1875	1.7506	1.00	.3137	3.1875	.9200	1.1664	.9811	1.5842	51.7342	62.7800	104.2916	.0001	10.4719
11.0	3.1875	1.7506	1.00	.3137	3.1875	.9700	1.1999	1.0448	1.6619	51.0479	61.5822	102.0140	.0001	10.2648
11.0	3.1875	1.7506	1.00	.3137	3.1875	1.0200	1.2305	1.1099	1.7392	50.3437	60.4164	99.7363	.0001	10.0578
11.0	3.1875	1.7506	1.00	.3137	3.1875	1.0700	1.2584	1.1765	1.8162	49.6256	59.2783	97.4587	.0001	9.8507
11.0	3.1875	1.7506	1.00	.3137	3.1875	1.1200	1.2837	1.2446	1.8932	48.8962	58.1642	95.1811	.0001	9.6436
11.0	3.1875	1.7506	1.00	.3137	3.1875	1.1700	1.3066	1.3144	1.9703	48.1578	57.0712	92.9034	.0001	9.4365
11.0	3.1875	1.7506	1.00	.3137	3.1875	1.2200	1.3273	1.3858	2.0479	47.4117	55.9966	90.6258	.0001	9.2295
11.0	3.1875	1.7506	1.00	.3137	3.1875	1.2700	1.3458	1.4591	2.1259	46.6590	54.9380	88.3482	.0002	9.0224
11.0	3.1875	1.7506	1.00	.3137	3.1875	1.3200	1.3621	1.5342	2.2047	45.9003	53.8934	86.0706	.0002	8.8153
11.0	3.1875	1.7506	1.00	.3137	3.1875	1.3700	1.3765	1.6114	2.2843	45.1363	52.8609	83.7929	.0002	8.6082
11.0	3.1875	1.7506	1.00	.3137	3.1875	1.4200	1.3890	1.6907	2.3650	44.3671	51.8388	81.5153	.0002	8.4011
11.0	3.1875	1.7506	1.00	.3137	3.1875	1.4700	1.3995	1.7722	2.4469	43.5928	50.8255	79.2377	.0003	8.1940
11.0	3.1875	1.7506	1.00	.3137	3.1875	1.5200	1.4082	1.8561	2.5302	42.8134	49.8195	76.9600	.0003	7.9869
11.0	3.1875	1.7506	1.00	.3137	3.1875	1.5700	1.4151	1.9425	2.6150	42.0288	48.8195	74.6824	.0003	7.7798
11.0	3.1875	1.7506	1.00	.3137	3.1875	1.6200	1.4201	2.0316	2.7016	41.2388	47.8241	72.4048	.0004	7.5727
11.0	3.1875	1.7506	1.00	.3137	3.1875	1.6700	1.4234	2.1235	2.7902	40.4431	46.8322	70.1271	.0004	7.3656
11.0	3.1875	1.7506	1.00	.3137	3.1875	1.7200	1.4250	2.2185	2.8809	39.6412	45.8424	67.8495	.0005	7.1585
11.0	3.1875	1.7506	1.00	.3137	3.1875	1.7700	1.4248	2.3167	2.9741	38.8328	44.8536	65.5719	.0006	6.9514
11.0	3.1875	1.7506	1.00	.3137	3.1875	1.8200	1.4228	2.4185	3.0698	38.0172	43.8647	63.2943	.0007	6.7443
11.0	3.1875	1.7506	1.00	.3137	3.1875	1.8700	1.4191	2.5240	3.1685	37.1939	42.8744	61.0166	.0008	6.5372
11.0	3.1875	1.7506	1.00	.3137	3.1875	1.9200	1.4136	2.6335	3.2703	36.3622	41.8816	58.7390	.0009	6.3301
11.0	3.1875	1.7506	1.00	.3137	3.1875	1.9700	1.4063	2.7474	3.3756	35.5213	40.8850	56.4614	.0011	6.1230
11.0	3.1875	1.7506	1.00	.3137	3.1875	2.0200	1.3972	2.8660	3.4848	34.6703	39.8834	54.1837	.0013	5.9159
11.0	3.1875	1.7506	1.00	.3137	3.1875	2.0700	1.3862	2.9898	3.5982	33.8084	38.8753	51.9061	.0015	5.7087
11.0	3.1875	1.7506	1.00	.3137	3.1875	2.1200	1.3733	3.1191	3.7163	32.9344	37.8596	49.6285	.0018	5.5016
11.0	3.1875	1.7506	1.00	.3137	3.1875	2.1700	1.3584	3.2545	3.8396	32.0471	36.8345	47.3508	.0021	5.2945
11.0	3.1875	1.7506	1.00	.3137	3.1875	2.2200	1.3416	3.3966	3.9687	31.1451	35.7986	45.0732	.0026	5.0873
11.0	3.1875	1.7506	1.00	.3137	3.1875	2.2700	1.3226	3.5461	4.1041	30.2269	34.7501	42.7956	.0032	4.8801
11.0	3.1875	1.7506	1.00	.3137	3.1875	2.3200	1.3014	3.7037	4.2466	29.2909	33.6870	40.5180	.0039	4.6730
11.0	3.1875	1.7506	1.00	.3137	3.1875	2.3700	1.2780	3.8703	4.3971	28.3348	32.6072	38.2403	.0048	4.4658
11.0	3.1875	1.7506	1.00	.3137	3.1875	2.4200	1.2521	4.0469	4.5565	27.3565	31.5083	35.9627	.0060	4.2586
11.0	3.1875	1.7506	1.00	.3137	3.1875	2.4700	1.2236	4.2348	4.7260	26.3532	30.3874	33.6851	.0076	4.0513
11.0	3.1875	1.7506	1.00	.3137	3.1875	2.5200	1.1924	4.4355	4.9070	25.3217	29.2415	31.4074	.0097	3.8441
11.0	3.1875	1.7506	1.00	.3137	3.1875	2.5700	1.1581	4.6506	5.1010	24.2581	28.0667	29.1298	.0126	3.6368
11.0	3.1875	1.7506	1.00	.3137	3.1875	2.6200	1.1207	4.8823	5.3102	23.1579	26.8586	26.8522	.0165	3.4295
11.0	3.1875	1.7506	1.00	.3137	3.1875	2.6700	1.0796	5.1331	5.5368	22.0153	25.6119	24.5745	.0220	3.2221
11.0	3.1875	1.7506	1.00	.3137	3.1875	2.7200	1.0345	5.4061	5.7839	20.8232	24.3199	22.2969	.0297	3.0147
11.0	3.1875	1.7506	1.00	.3137	3.1875	2.7700	.9848	5.7054	6.0552	19.5723	22.9744	20.0193	.0409	2.8072
11.0	3.1875	1.7506	1.00	.3137	3.1875	2.8200	.9299	6.0359	6.3556	18.2506	21.5648	17.7416	.0575	2.5996
11.0	3.1875	1.7506	1.00	.3137	3.1875	2.8700	.8688	6.4042	6.6911	16.8414	20.0768	15.4640	.0826	2.3918
11.0	3.1875	1.7506	1.00	.3137	3.1875	2.9200	.8000	6.8191	7.0703	15.3210	18.4908	13.1864	.1216	2.1837
11.0	3.1875	1.7506	1.00	.3137	3.1875	2.9700	.7215	7.2926	7.5047	13.6535	16.7784	10.9088	.1837	1.9752
11.0	3.1875	1.7506	1.00	.3137	3.1875	3.0200	.6298	7.8423	8.0111	11.7800	14.8952	8.6311	.2845	1.7660
11.0	3.1875	1.7506	1.00	.3137	3.1875	3.0700	.5187	8.4950	8.6155	9.5907	12.7652	6.3535	.4488	1.5553
11.0	3.1875	1.7506	1.00	.3137	3.1875	3.1200	.3740	9.2991	9.3656	6.8356	10.2341	4.0759	.7020	1.3406
11.0	3.1875	1.7506	1.00	.3137	3.1875	3.1700	.1454	10.3951	10.4060	2.6266	6.8708	1.7982	.9746	1.1075
11.0	3.1875	1.7506	1.08	.3452	2.8967	.3500	.1098	.3358	.3519	17.4204	87.6856	128.9811	.0000	15.0929
11.0	3.1875	1.7506	1.08	.3452	2.8967	.4000	.3682	.3866	.5255	42.6305	82.1399	126.5213	.0000	14.8693
11.0	3.1875	1.7506	1.08	.3452	2.8967	.4500	.5041	.4383	.6581	48.2444	79.0981	124.0614	.0000	14.6456
11.0	3.1875	1.7506	1.08	.3452	2.8967	.5000	.6063	.4907	.7713	50.4894	76.7115	121.6016	.0000	14.4219
11.0	3.1875	1.7506	1.08	.3452	2.8967	.5500	.6900	.5440	.8728	51.4430	74.6703	119.1418	.0000	14.1982
11.0	3.1875	1.7506	1.08	.3452	2.8967	.6000	.7614	.5982	.9665	51.7597	72.8501	116.6819	.0000	13.9746
11.0	3.1875	1.7506	1.08	.3452	2.8967	.6500	.8235	.6533	1.0545	51.7164	71.1863	114.2221	.0000	13.7509
11.0	3.1875	1.7506	1.08	.3452	2.8967	.7000	.8785	.7093	1.1383	51.4511	69.6399	111.7622	.0000	13.5272
11.0	3.1875	1.7506	1.08	.3452	2.8967	.7500	.9275	.7664	1.2188	51.0401	68.1854	109.3024	.0000	13.3035
11.0	3.1875	1.7506	1.08	.3452	2.8967	.8000	.9715	.8244	1.2969	50.5293	66.8050	106.8425	.0001	13.0798
11.0	3.1875	1.7506	1.08	.3452	2.8967	.8500	1.0111	.8835	1.3730	49.9473	65.4858	104.3827	.0001	12.8561
11.0	3.1875	1.7506	1.08	.3452	2.8967	.9000	1.0468	.9438	1.4477	49.3132	64.2178	101.9229	.0001	12.6325
11.0	3.1875	1.7506	1.08	.3452	2.8967	.9500	1.0791	1.0051	1.5211	48.6398	62.9934	99.4630	.0001	12.4088
11.0	3.1875	1.7506	1.08	.3452	2.8967	1.0000	1.1081	1.0677	1.5937	47.9361	61.8064	97.0032	.0001	12.1851
11.0	3.1875	1.7506	1.08	.3452	2.8967	1.0500	1.1342	1.1315	1.6656	47.2085	60.6517	94.5433	.0001	11.9614
11.0	3.1875	1.7506	1.08	.3452	2.8967	1.1000	1.1576	1.1966	1.7372	46.4615	59.5253	92.0835	.0001	11.7376
11.0	3.1875	1.7506	1.08	.3452	2.8967	1.1500	1.1784	1.2631	1.8085	45.6984	58.4235	89.6237	.0001	11.5139
11.0	3.1875	1.7506	1.08	.3452	2.8967	1.2000	1.1967	1.3310	1.8798	44.9216	57.3434	87.1638	.0001	11.2902
11.0	3.1875	1.7506	1.08	.3452	2.8967	1.2500	1.2127	1.4005	1.9512	44.1329	56.2824	84.7040	.0001	11.0665
11.0	3.1875	1.7506	1.08	.3452	2.8967	1.3000	1.2265	1.4714	2.0229	43.3333	55.2383	82.2441	.0001	10.8428
11.0	3.1875	1.7506	1.08	.3452	2.8967	1.3500	1.2381	1.5440	2.0950	42.5238	54.2089	79.7843	.0001	10.6190
11.0	3.1875	1.7506	1.08	.3452	2.8967	1.4000	1.2476	1.6184	2.1677	41.7047	53.1926	77.3245	.0002	10.3953
11.0	3.1875	1.7506	1.08	.3452	2.8967	1.4500	1.2550	1.6945	2.2410	40.8764	52.1877	74.8646	.0002	10.1715
11.0	3.1875	1.7506	1.08	.3452	2.8967	1.5000	1.2604	1.7725	2.3152	40.0389	51.1927	72.4048	.0002	9.9478
11.0	3.1875	1.7506	1.08	.3452	2.8967	1.5500	1.2638	1.8526	2.3903	39.1920	50.2065	69.9449	.0002	9.7240
11.0	3.1875	1.7506	1.08	.3452	2.8967	1.6000	1.2652	1.9347	2.4665	38.3355	49.2277	67.4851	.0002	9.5002
11.0	3.1875	1.7506	1.08	.3452	2.8967	1.6500	1.2647	2.0191	2.5440	37.4688	48.2552	65.0253	.0003	9.2764
11.0	3.1875	1.7506	1.08	.3452	2.8967	1.7000	1.2621	2.1058	2.6228	36.5915	47.2881	62.5654	.0003	9.0526
11.0	3.1875	1.7506	1.08	.3452	2.8967	1.7500	1.2576	2.1951	2.7031	35.7027	46.3253	60.1056	.0003	8.8288
11.0	3.1875	1.7506	1.08	.3452	2.8967	1.8000	1.2511	2.2870	2.7851	34.8016	45.3661	57.6457	.0004	8.6050
11.0	3.1875	1.7506	1.08	.3452	2.8967	1.8500	1.2425	2.3817	2.8690	33.8872	44.4095	55.1859	.0004	8.3811
11.0	3.1875	1.7506	1.08	.3452	2.8967	1.9000	1.2319	2.4794	2.9549	32.9583	43.4550	52.7261	.0005	8.1572
11.0	3.1875	1.7506	1.08	.3452	2.8967	1.9500	1.2191	2.5803	3.0431	32.0135	42.5017	50.2662	.0005	7.9333
11.0	3.1875	1.7506	1.08	.3452	2.8967	2.0000	1.2042	2.6846	3.1337	31.0513	41.5493	47.8064	.0006	7.7094
11.0	3.1875	1.7506	1.08	.3452	2.8967	2.0500	1.1869	2.7926	3.2269	30.0698	40.5972	45.3465	.0006	7.4854
11.0	3.1875	1.7506	1.08	.3452	2.8967	2.1000	1.1673	2.9045	3.3230	29.0670	39.6453	42.8867	.0007	7.2614
11.0	3.1875	1.7506	1.08	.3452	2.8967	2.1500	1.1451	3.0206	3.4224	28.0403	38.6934	40.4268	.0008	7.0374
11.0	3.1875	1.7506	1.08	.3452	2.8967	2.2000	1.1203	3.1413	3.5252	26.9870	37.7419	37.9670	.0010	6.8132
11.0	3.1875	1.7506	1.08	.3452	2.8967	2.2500	1.0927	3.2669	3.6318	25.9035	36.7914	35.5072	.0011	6.5891
11.0	3.1875	1.7506	1.08	.3452	2.8967	2.3000	1.0621	3.3978	3.7426	24.7858	35.8432	33.0473	.0013	6.3648
11.0	3.1875	1.7506	1.08	.3452	2.8967	2.3500	1.0281	3.5345	3.8580	23.6288	34.8995	30.5875	.0014	6.1404
11.0	3.1875	1.7506	1.08	.3452	2.8967	2.4000	.9905	3.6776	3.9785	22.4264	33.9640	28.1276	.0017	5.9159
11.0	3.1875	1.7506	1.08	.3452	2.8967	2.4500	.9489	3.8276	4.1046	21.1708	33.0425	25.6678	.0019	5.6913
11.0	3.1875	1.7506	1.08	.3452	2.8967	2.5000	.9026	3.9852	4.2370	19.8520	32.1449	23.2080	.0022	5.4664
11.0	3.1875	1.7506	1.08	.3452	2.8967	2.5500	.8511	4.1513	4.3764	18.4566	31.2871	20.7481	.0025	5.2412
11.0	3.1875	1.7506	1.08	.3452	2.8967	2.6000	.7932	4.3269	4.5238	16.9665	30.4970	18.2883	.0029	5.0156
11.0	3.1875	1.7506	1.08	.3452	2.8967	2.6500	.7277	4.5130	4.6801	15.3554	29.8256	15.8284	.0033	4.7894
11.0	3.1875	1.7506	1.08	.3452	2.8967	2.7000	.6524	4.7112	4.8468	13.5833	29.3738	13.3686	.0037	4.5623
11.0	3.1875	1.7506	1.08	.3452	2.8967	2.7500	.5637	4.9235	5.0258	11.5836	29.3677	10.9088	.0041	4.3336
11.0	3.1875	1.7506	1.08	.3452	2.8967	2.8000	.4550	5.1526	5.2202	9.2292	30.4253	8.4489	.0045	4.1020
11.0	3.1875	1.7506	1.08	.3452	2.8967	2.8500	.3097	5.4038	5.4356	6.2022	35.0408	5.9891	.0045	3.8638

11.0	3.1875	1.7506	1.16	.3789	2.6394	.3800	.0504	.3648	.3680	7.5519	88.8812	126.1204	.0000	17.3919
11.0	3.1875	1.7506	1.16	.3789	2.6394	.4300	.3346	.4156	.5267	37.8906	82.4642	123.4784	.0000	17.1516
11.0	3.1875	1.7506	1.16	.3789	2.6394	.4800	.4652	.4673	.6507	44.1036	79.3737	120.8363	.0000	16.9113
11.0	3.1875	1.7506	1.16	.3789	2.6394	.5300	.5620	.5196	.7574	46.6796	76.9750	118.1943	.0000	16.6710
11.0	3.1875	1.7506	1.16	.3789	2.6394	.5800	.6406	.5728	.8534	47.8405	74.9335	115.5522	.0000	16.4308
11.0	3.1875	1.7506	1.16	.3789	2.6394	.6300	.7069	.6268	.9421	48.2938	73.1186	112.9102	.0000	16.1905
11.0	3.1875	1.7506	1.16	.3789	2.6394	.6800	.7643	.6816	1.0254	48.3421	71.4634	110.2681	.0000	15.9502
11.0	3.1875	1.7506	1.16	.3789	2.6394	.7300	.8147	.7373	1.1048	48.1374	69.9279	107.6261	.0000	15.7099
11.0	3.1875	1.7506	1.16	.3789	2.6394	.7800	.8592	.7939	1.1811	47.7646	68.4862	104.9840	.0000	15.4695
11.0	3.1875	1.7506	1.16	.3789	2.6394	.8300	.8987	.8514	1.2549	47.2749	67.1202	102.3420	.0000	15.2292
11.0	3.1875	1.7506	1.16	.3789	2.6394	.8800	.9339	.9099	1.3268	46.7006	65.8168	99.6999	.0001	14.9889
11.0	3.1875	1.7506	1.16	.3789	2.6394	.9300	.9652	.9694	1.3971	46.0632	64.5661	97.0578	.0001	14.7486
11.0	3.1875	1.7506	1.16	.3789	2.6394	.9800	.9930	1.0300	1.4663	45.3773	63.3604	94.4158	.0001	14.5082
11.0	3.1875	1.7506	1.16	.3789	2.6394	1.0300	1.0176	1.0916	1.5345	44.6532	62.1937	91.7737	.0001	14.2679
11.0	3.1875	1.7506	1.16	.3789	2.6394	1.0800	1.0392	1.1543	1.6020	43.8981	61.0609	89.1317	.0001	14.0275
11.0	3.1875	1.7506	1.16	.3789	2.6394	1.1300	1.0581	1.2183	1.6689	43.1172	59.9581	86.4896	.0001	13.7871
11.0	3.1875	1.7506	1.16	.3789	2.6394	1.1800	1.0743	1.2834	1.7356	42.3142	58.8820	83.8476	.0001	13.5468
11.0	3.1875	1.7506	1.16	.3789	2.6394	1.2300	1.0879	1.3498	1.8020	41.4919	57.8296	81.2055	.0001	13.3064
11.0	3.1875	1.7506	1.16	.3789	2.6394	1.2800	1.0991	1.4175	1.8684	40.6522	56.7987	78.5635	.0001	13.0660
11.0	3.1875	1.7506	1.16	.3789	2.6394	1.3300	1.1080	1.4867	1.9349	39.7962	55.7873	75.9214	.0001	12.8255
11.0	3.1875	1.7506	1.16	.3789	2.6394	1.3800	1.1145	1.5572	2.0016	38.9249	54.7936	73.2794	.0001	12.5851
11.0	3.1875	1.7506	1.16	.3789	2.6394	1.4300	1.1188	1.6293	2.0687	38.0385	53.8163	70.6373	.0001	12.3446
11.0	3.1875	1.7506	1.16	.3789	2.6394	1.4800	1.1208	1.7029	2.1361	37.1372	52.8543	67.9953	.0001	12.1041
11.0	3.1875	1.7506	1.16	.3789	2.6394	1.5300	1.1206	1.7782	2.2042	36.2207	51.9066	65.3532	.0001	11.8636
11.0	3.1875	1.7506	1.16	.3789	2.6394	1.5800	1.1182	1.8552	2.2728	35.2886	50.9725	62.7112	.0002	11.6231
11.0	3.1875	1.7506	1.16	.3789	2.6394	1.6300	1.1136	1.9340	2.3423	34.3400	50.0517	60.0691	.0002	11.3825
11.0	3.1875	1.7506	1.16	.3789	2.6394	1.6800	1.1067	2.0148	2.4126	33.3739	49.1439	57.4271	.0002	11.1419
11.0	3.1875	1.7506	1.16	.3789	2.6394	1.7300	1.0974	2.0975	2.4839	32.3892	48.2494	54.7850	.0002	10.9013
11.0	3.1875	1.7506	1.16	.3789	2.6394	1.7800	1.0858	2.1824	2.5564	31.3842	47.3685	52.1430	.0002	10.6606
11.0	3.1875	1.7506	1.16	.3789	2.6394	1.8300	1.0718	2.2694	2.6300	30.3571	46.5022	49.5009	.0002	10.4199
11.0	3.1875	1.7506	1.16	.3789	2.6394	1.8800	1.0552	2.3589	2.7050	29.3056	45.6520	46.8589	.0003	10.1791
11.0	3.1875	1.7506	1.16	.3789	2.6394	1.9300	1.0360	2.4508	2.7815	28.2270	44.8201	44.2168	.0003	9.9382
11.0	3.1875	1.7506	1.16	.3789	2.6394	1.9800	1.0140	2.5453	2.8597	27.1182	44.0094	41.5748	.0003	9.6973
11.0	3.1875	1.7506	1.16	.3789	2.6394	2.0300	.9890	2.6426	2.9396	25.9753	43.2245	38.9327	.0003	9.4562
11.0	3.1875	1.7506	1.16	.3789	2.6394	2.0800	.9608	2.7429	3.0214	24.7936	42.4714	36.2907	.0004	9.2150
11.0	3.1875	1.7506	1.16	.3789	2.6394	2.1300	.9291	2.8464	3.1054	23.5672	41.7592	33.6486	.0004	8.9737
11.0	3.1875	1.7506	1.16	.3789	2.6394	2.1800	.8936	2.9532	3.1917	22.2889	41.1006	31.0066	.0004	8.7321
11.0	3.1875	1.7506	1.16	.3789	2.6394	2.2300	.8537	3.0637	3.2805	20.9492	40.5144	28.3645	.0004	8.4903
11.0	3.1875	1.7506	1.16	.3789	2.6394	2.2800	.8090	3.1780	3.3721	19.5359	40.0295	25.7225	.0005	8.2482
11.0	3.1875	1.7506	1.16	.3789	2.6394	2.3300	.7585	3.2965	3.4668	18.0324	39.6914	23.0804	.0005	8.0056
11.0	3.1875	1.7506	1.16	.3789	2.6394	2.3800	.7011	3.4196	3.5649	16.4149	39.5760	20.4384	.0006	7.7624
11.0	3.1875	1.7506	1.16	.3789	2.6394	2.4300	.6351	3.5477	3.6668	14.6480	39.8192	17.7963	.0006	7.5184
11.0	3.1875	1.7506	1.16	.3789	2.6394	2.4800	.5577	3.6812	3.7732	12.6742	40.6898	15.1543	.0006	7.2730
11.0	3.1875	1.7506	1.16	.3789	2.6394	2.5300	.4637	3.8211	3.8847	10.3869	42.8072	12.5122	.0006	7.0254
11.0	3.1875	1.7506	1.16	.3789	2.6394	2.5800	.3414	3.9683	4.0028	7.5370	48.0320	9.8702	.0006	6.7738
11.0	3.1875	1.7506	1.16	.3789	2.6394	2.6300	.1345	4.1250	4.1304	2.9284	67.7918	7.2281	.0006	6.5141
11.0	3.1875	1.7506	1.24	.4152	2.4084	.4200	.0971	.4039	.4145	13.0129	87.7243	122.4762	.0000	19.8023
11.0	3.1875	1.7506	1.24	.4152	2.4084	.4700	.3244	.4549	.5527	34.6117	82.2789	119.6519	.0000	19.5454
11.0	3.1875	1.7506	1.24	.4152	2.4084	.5200	.4427	.5067	.6654	40.4118	79.2971	116.8277	.0000	19.2885
11.0	3.1875	1.7506	1.24	.4152	2.4084	.5700	.5309	.5591	.7640	42.9643	76.9618	114.0034	.0000	19.0316
11.0	3.1875	1.7506	1.24	.4152	2.4084	.6200	.6022	.6123	.8536	44.1651	74.9686	111.1792	.0000	18.7746
11.0	3.1875	1.7506	1.24	.4152	2.4084	.6700	.6622	.6663	.9367	44.6625	73.1951	108.3549	.0000	18.5177
11.0	3.1875	1.7506	1.24	.4152	2.4084	.7200	.7136	.7210	1.0151	44.7454	71.5779	105.5306	.0000	18.2608
11.0	3.1875	1.7506	1.24	.4152	2.4084	.7700	.7583	.7766	1.0899	44.5632	70.0787	102.7064	.0000	18.0038
11.0	3.1875	1.7506	1.24	.4152	2.4084	.8200	.7974	.8329	1.1619	44.2012	68.6728	99.8821	.0000	17.7468
11.0	3.1875	1.7506	1.24	.4152	2.4084	.8700	.8317	.8902	1.2315	43.7115	67.3429	97.0578	.0000	17.4899
11.0	3.1875	1.7506	1.24	.4152	2.4084	.9200	.8617	.9484	1.2994	43.1275	66.0764	94.2336	.0000	17.2329
11.0	3.1875	1.7506	1.24	.4152	2.4084	.9700	.8880	1.0074	1.3658	42.4716	64.8640	91.4093	.0001	16.9758
11.0	3.1875	1.7506	1.24	.4152	2.4084	1.0200	.9107	1.0675	1.4310	41.7591	63.6984	88.5851	.0001	16.7188
11.0	3.1875	1.7506	1.24	.4152	2.4084	1.0700	.9302	1.1285	1.4953	41.0008	62.5741	85.7608	.0001	16.4618
11.0	3.1875	1.7506	1.24	.4152	2.4084	1.1200	.9466	1.1906	1.5589	40.2043	61.4866	82.9365	.0001	16.2047
11.0	3.1875	1.7506	1.24	.4152	2.4084	1.1700	.9602	1.2537	1.6219	39.3752	60.4324	80.1123	.0001	15.9476
11.0	3.1875	1.7506	1.24	.4152	2.4084	1.2200	.9710	1.3180	1.6845	38.5171	59.4087	77.2880	.0001	15.6905
11.0	3.1875	1.7506	1.24	.4152	2.4084	1.2700	.9792	1.3834	1.7468	37.6328	58.4133	74.4638	.0001	15.4334
11.0	3.1875	1.7506	1.24	.4152	2.4084	1.3200	.9848	1.4500	1.8090	36.7241	57.4447	71.6395	.0001	15.1762
11.0	3.1875	1.7506	1.24	.4152	2.4084	1.3700	.9878	1.5178	1.8712	35.7920	56.5018	68.8152	.0001	14.9190
11.0	3.1875	1.7506	1.24	.4152	2.4084	1.4200	.9883	1.5869	1.9334	34.8368	55.5840	65.9910	.0001	14.6618
11.0	3.1875	1.7506	1.24	.4152	2.4084	1.4700	.9863	1.6574	1.9959	33.8586	54.6911	63.1667	.0001	14.4045
11.0	3.1875	1.7506	1.24	.4152	2.4084	1.5200	.9817	1.7293	2.0586	32.8566	53.8236	60.3424	.0001	14.1472
11.0	3.1875	1.7506	1.24	.4152	2.4084	1.5700	.9746	1.8027	2.1217	31.8299	52.9825	57.5182	.0001	13.8898
11.0	3.1875	1.7506	1.24	.4152	2.4084	1.6200	.9648	1.8775	2.1853	30.7769	52.1694	54.6939	.0001	13.6323
11.0	3.1875	1.7506	1.24	.4152	2.4084	1.6700	.9524	1.9540	2.2495	29.6957	51.3871	51.8697	.0001	13.3748
11.0	3.1875	1.7506	1.24	.4152	2.4084	1.7200	.9371	2.0322	2.3143	28.5837	50.6392	49.0454	.0001	13.1172
11.0	3.1875	1.7506	1.24	.4152	2.4084	1.7700	.9190	2.1121	2.3798	27.4376	49.9307	46.2211	.0001	12.8594
11.0	3.1875	1.7506	1.24	.4152	2.4084	1.8200	.8977	2.1939	2.4463	26.2534	49.2689	43.3969	.0001	12.6016
11.0	3.1875	1.7506	1.24	.4152	2.4084	1.8700	.8730	2.2776	2.5136	25.0262	48.6635	40.5726	.0002	12.3436
11.0	3.1875	1.7506	1.24	.4152	2.4084	1.9200	.8448	2.3634	2.5820	23.7497	48.1281	37.7484	.0002	12.0854
11.0	3.1875	1.7506	1.24	.4152	2.4084	1.9700	.8126	2.4513	2.6516	22.4157	47.6820	34.9241	.0002	11.8269
11.0	3.1875	1.7506	1.24	.4152	2.4084	2.0200	.7760	2.5414	2.7225	21.0139	47.3534	32.0998	.0002	11.5682
11.0	3.1875	1.7506	1.24	.4152	2.4084	2.0700	.7342	2.6340	2.7948	19.5301	47.1843	29.2756	.0002	11.3091
11.0	3.1875	1.7506	1.24	.4152	2.4084	2.1200	.6866	2.7291	2.8687	17.9451	47.2400	26.4513	.0002	11.0495
11.0	3.1875	1.7506	1.24	.4152	2.4084	2.1700	.6317	2.8270	2.9444	16.2306	47.6282	23.6270	.0002	10.7892
11.0	3.1875	1.7506	1.24	.4152	2.4084	2.2200	.5676	2.9278	3.0220	14.3428	48.5392	20.8028	.0002	10.5279
11.0	3.1875	1.7506	1.24	.4152	2.4084	2.2700	.4911	3.0318	3.1019	12.2066	50.3470	17.9785	.0002	10.2653
11.0	3.1875	1.7506	1.24	.4152	2.4084	2.3200	.3953	3.1393	3.1846	9.6700	53.9185	15.1543	.0002	10.0005
11.0	3.1875	1.7506	1.24	.4152	2.4084	2.3700	.2616	3.2509	3.2707	6.2978	62.0273	12.3300	.0002	9.7319
11.0	3.1875	1.7506	1.32	.4551	2.1974	.4600	.0919	.4430	.4518	11.3027	87.7251	118.5405	.0000	22.3688
11.0	3.1875	1.7506	1.32	.4551	2.1974	.5100	.3030	.4942	.5749	30.7114	82.3797	115.5340	.0000	22.0953
11.0	3.1875	1.7506	1.32	.4551	2.1974	.5600	.4124	.5461	.6782	36.3722	79.4491	112.5275	.0000	21.8217
11.0	3.1875	1.7506	1.32	.4551	2.1974	.6100	.4934	.5986	.7699	38.9683	77.1579	109.5210	.0000	21.5481
11.0	3.1875	1.7506	1.32	.4551	2.1974	.6600	.5584	.6518	.8538	40.2328	75.2065	106.5146	.0000	21.2746
11.0	3.1875	1.7506	1.32	.4551	2.1974	.7100	.6125	.7058	.9321	40.7835	73.4745	103.5081	.0000	21.0010
11.0	3.1875	1.7506	1.32	.4551	2.1974	.7600	.6584	.7604	1.0061	40.9038	71.8996	100.5016	.0000	20.7273
11.0	3.1875	1.7506	1.32	.4551	2.1974	.8100	.6978	.8159	1.0768	40.7432	70.4443	97.4952	.0000	20.4537
11.0	3.1875	1.7506	1.32	.4551	2.1974	.8600	.7316	.8721	1.1449	40.3886	69.0846	94.4887	.0000	20.1800
11.0	3.1875	1.7506	1.32	.4551	2.1974	.9100	.7607	.9291	1.2110	39.8933	67.8038	91.4822	.0000	19.9064
11.0	3.1875	1.7506	1.32	.4551	2.1974	.9600	.7855	.9869	1.2753	39.2923	66.5899	88.4757	.0000	19.6326
11.0	3.1875	1.7506	1.32	.4551	2.1974	1.0100	.8065	1.0457	1.3382	38.6088	65.4342	85.4693	.0000	19.3589
11.0	3.1875	1.7506	1.32	.4551	2.1974	1.0600	.8240	1.1053	1.3999	37.8588	64.3302	82.4628	.0000	19.0851
11.0	3.1875	1.7506	1.32	.4551	2.1974	1.1100	.8381	1.1658	1.4608	37.0535	63.2733	79.4563	.0001	18.8113
11.0	3.1875	1.7506	1.32	.4551	2.1974	1.1600	.8490	1.2273	1.5209	36.2008	62.2598	76.4498	.0001	18.5375
11.0	3.1875	1.7506	1.32	.4551	2.1974	1.2100	.8569	1.2897	1.5804	35.3062	61.2874	73.4434	.0001	18.2636
11.0	3.1875	1.7506	1.32	.4551	2.1974	1.2600	.8619	1.3532	1.6395	34.3732	60.3547	70.4369	.0001	17.9897
11.0	3.1875	1.7506	1.32	.4551	2.1974	1.3100	.8639	1.4178	1.6983	33.4042	59.4612	67.4304	.0001	17.7157
11.0	3.1875	1.7506	1.32	.4551	2.1974	1.3600	.8631	1.4834	1.7569	32.4004	58.6074	64.4240	.0001	17.4417
11.0	3.1875	1.7506	1.32	.4551	2.1974	1.4100	.8594	1.5502	1.8154	31.3619	57.7946	61.4175	.0001	17.1676
11.0	3.1875	1.7506	1.32	.4551	2.1974	1.4600	.8527	1.6181	1.8739	30.2880	57.0253	58.4110	.0001	16.8934
11.0	3.1875	1.7506	1.32	.4551	2.1974	1.5100	.8431	1.6873	1.9325	29.1773	56.3036	55.4045	.0001	16.6191
11.0	3.1875	1.7506	1.32	.4551	2.1974	1.5600	.8304	1.7577	1.9912	28.0273	55.6348	52.3981	.0001	16.3447
11.0	3.1875	1.7506	1.32	.4551	2.1974	1.6100	.8145	1.8295	2.0503	26.8348	55.0269	49.3916	.0001	16.0701
11.0	3.1875	1.7506	1.32	.4551	2.1974	1.6600	.7952	1.9026	2.1097	25.5951	54.4904	46.3851	.0001	15.7954
11.0	3.1875	1.7506	1.32	.4551	2.1974	1.7100	.7722	1.9772	2.1695	24.3023	54.0403	43.3787	.0001	15.5206
11.0	3.1875	1.7506	1.32	.4551	2.1974	1.7600	.7452	2.0533	2.2298	22.9486	53.6973	40.3722	.0001	15.2454
11.0	3.1875	1.7506	1.32	.4551	2.1974	1.8100	.7138	2.1310	2.2907	21.5236	53.4911	37.3657	.0001	14.9700
11.0	3.1875	1.7506	1.32	.4551	2.1974	1.8600	.6775	2.2103	2.3524	20.0132	53.4651	34.3592	.0001	14.6943
11.0	3.1875	1.7506	1.32	.4551	2.1974	1.9100	.6353	2.2914	2.4148	18.3978	53.6855	31.3528	.0001	14.4180
11.0	3.1875	1.7506	1.32	.4551	2.1974	1.9600	.5861	2.3743	2.4781	16.6484	54.2578	28.3463	.0001	14.1412
11.0	3.1875	1.7506	1.32	.4551	2.1974	2.0100	.5281	2.4591	2.5425	14.7199	55.3621	25.3398	.0001	13.8635
11.0	3.1875	1.7506	1.32	.4551	2.1974	2.0600	.4580	2.5460	2.6082	12.5340	57.3370	22.3334	.0001	13.5846
11.0	3.1875	1.7506	1.32	.4551	2.1974	2.1100	.3694	2.6351	2.6752	9.9306	60.9249	19.3269	.0001	13.3040
11.0	3.1875	1.7506	1.32	.4551	2.1974	2.1600	.2439	2.7268	2.7441	6.4418	68.3494	16.3204	.0001	13.0207

11.0	3.1875	1.7506	1.40	.4997	2.0012	.5000	.0210	.4823	.4827	2.4049	89.4517	114.3132	.0000	25.0914
11.0	3.1875	1.7506	1.40	.4997	2.0012	.5500	.2688	.5336	.5939	26.0492	82.8528	111.1245	.0000	24.8012
11.0	3.1875	1.7506	1.40	.4997	2.0012	.6000	.3730	.5855	.6894	31.8666	79.9002	107.9358	.0000	24.5110
11.0	3.1875	1.7506	1.40	.4997	2.0012	.6500	.4483	.6381	.7751	34.5933	77.6294	104.7471	.0000	24.2207
11.0	3.1875	1.7506	1.40	.4997	2.0012	.7000	.5078	.6913	.8541	35.9564	75.7131	101.5584	.0000	23.9304
11.0	3.1875	1.7506	1.40	.4997	2.0012	.7500	.5565	.7453	.9280	36.5757	74.0249	98.3698	.0000	23.6401
11.0	3.1875	1.7506	1.40	.4997	2.0012	.8000	.5971	.7999	.9981	36.7388	72.5004	95.1811	.0000	23.3498
11.0	3.1875	1.7506	1.40	.4997	2.0012	.8500	.6313	.8552	1.0652	36.5994	71.1020	91.9924	.0000	23.0594
11.0	3.1875	1.7506	1.40	.4997	2.0012	.9000	.6598	.9113	1.1299	36.2473	69.8057	88.8037	.0000	22.7690
11.0	3.1875	1.7506	1.40	.4997	2.0012	.9500	.6836	.9681	1.1927	35.7384	68.5954	85.6150	.0000	22.4786
11.0	3.1875	1.7506	1.40	.4997	2.0012	1.0000	.7030	1.0257	1.2538	35.1089	67.4600	82.4264	.0000	22.1881
11.0	3.1875	1.7506	1.40	.4997	2.0012	1.0500	.7185	1.0841	1.3136	34.3831	66.3920	79.2377	.0000	21.8976
11.0	3.1875	1.7506	1.40	.4997	2.0012	1.1000	.7302	1.1433	1.3723	33.5778	65.3864	76.0490	.0000	21.6070
11.0	3.1875	1.7506	1.40	.4997	2.0012	1.1500	.7384	1.2034	1.4301	32.7043	64.4401	72.8603	.0000	21.3163
11.0	3.1875	1.7506	1.40	.4997	2.0012	1.2000	.7432	1.2644	1.4872	31.7701	63.5520	69.6716	.0000	21.0256
11.0	3.1875	1.7506	1.40	.4997	2.0012	1.2500	.7446	1.3263	1.5437	30.7802	62.7223	66.4829	.0000	20.7348
11.0	3.1875	1.7506	1.40	.4997	2.0012	1.3000	.7426	1.3891	1.5998	29.7374	61.9534	63.2943	.0000	20.4439
11.0	3.1875	1.7506	1.40	.4997	2.0012	1.3500	.7373	1.4529	1.6555	28.6423	61.2493	60.1056	.0001	20.1529
11.0	3.1875	1.7506	1.40	.4997	2.0012	1.4000	.7286	1.5177	1.7109	27.4945	60.6162	56.9169	.0001	19.8618
11.0	3.1875	1.7506	1.40	.4997	2.0012	1.4500	.7164	1.5836	1.7663	26.2913	60.0634	53.7282	.0001	19.5705
11.0	3.1875	1.7506	1.40	.4997	2.0012	1.5000	.7004	1.6505	1.8216	25.0289	59.6038	50.5395	.0001	19.2791
11.0	3.1875	1.7506	1.40	.4997	2.0012	1.5500	.6804	1.7186	1.8769	23.7008	59.2555	47.3508	.0001	18.9874
11.0	3.1875	1.7506	1.40	.4997	2.0012	1.6000	.6562	1.7878	1.9323	22.2985	59.0444	44.1622	.0001	18.6955
11.0	3.1875	1.7506	1.40	.4997	2.0012	1.6500	.6271	1.8582	1.9879	20.8094	59.0073	40.9735	.0001	18.4033
11.0	3.1875	1.7506	1.40	.4997	2.0012	1.7000	.5925	1.9300	2.0438	19.2161	59.1989	37.7848	.0001	18.1107
11.0	3.1875	1.7506	1.40	.4997	2.0012	1.7500	.5515	2.0030	2.1001	17.4927	59.7033	34.5961	.0001	17.8176
11.0	3.1875	1.7506	1.40	.4997	2.0012	1.8000	.5025	2.0774	2.1569	15.5990	60.6574	31.4074	.0001	17.5238
11.0	3.1875	1.7506	1.40	.4997	2.0012	1.8500	.4430	2.1533	2.2142	13.4675	62.3026	28.2187	.0001	17.2291
11.0	3.1875	1.7506	1.40	.4997	2.0012	1.9000	.3682	2.2308	2.2722	10.9661	65.1228	25.0301	.0001	16.9332
11.0	3.1875	1.7506	1.40	.4997	2.0012	1.9500	.2656	2.3098	2.3312	7.7563	70.3527	21.8414	.0001	16.6356
11.0	3.1875	1.7506	1.40	.4997	2.0012	2.0000	.0410	2.3907	2.3912	1.1731	86.6226	18.6527	.0001	16.3354
11.0	3.1875	1.7506	1.48	.5511	1.8146	.5600	.1053	.5420	.5515	10.6471	87.0746	108.4460	.0000	27.8473
11.0	3.1875	1.7506	1.48	.5511	1.8146	.6100	.2650	.5937	.6473	23.4844	82.4888	105.0751	.0000	27.5404
11.0	3.1875	1.7506	1.48	.5511	1.8146	.6600	.3527	.6459	.7324	28.1219	79.7987	101.7042	.0000	27.2334
11.0	3.1875	1.7506	1.48	.5511	1.8146	.7100	.4167	.6988	.8103	30.4064	77.6947	98.3333	.0000	26.9264
11.0	3.1875	1.7506	1.48	.5511	1.8146	.7600	.4667	.7523	.8829	31.5532	75.9154	94.9624	.0000	26.6194
11.0	3.1875	1.7506	1.48	.5511	1.8146	.8100	.5070	.8065	.9515	32.0425	74.3536	91.5915	.0000	26.3123
11.0	3.1875	1.7506	1.48	.5511	1.8146	.8600	.5397	.8613	1.0169	32.1102	72.9535	88.2206	.0000	26.0052
11.0	3.1875	1.7506	1.48	.5511	1.8146	.9100	.5661	.9168	1.0798	31.8874	71.6826	84.8497	.0000	25.6980
11.0	3.1875	1.7506	1.48	.5511	1.8146	.9600	.5872	.9730	1.1406	31.4528	70.5209	81.4789	.0000	25.3907
11.0	3.1875	1.7506	1.48	.5511	1.8146	1.0100	.6034	1.0300	1.1998	30.8559	69.4558	78.1080	.0000	25.0834
11.0	3.1875	1.7506	1.48	.5511	1.8146	1.0600	.6152	1.0877	1.2576	30.1292	68.4799	74.7371	.0000	24.7760
11.0	3.1875	1.7506	1.48	.5511	1.8146	1.1100	.6228	1.1461	1.3141	29.2942	67.5895	71.3662	.0000	24.4686
11.0	3.1875	1.7506	1.48	.5511	1.8146	1.1600	.6263	1.2053	1.3698	28.3647	66.7843	67.9953	.0000	24.1610
11.0	3.1875	1.7506	1.48	.5511	1.8146	1.2100	.6259	1.2654	1.4246	27.3495	66.0671	64.6244	.0000	23.8533
11.0	3.1875	1.7506	1.48	.5511	1.8146	1.2600	.6214	1.3262	1.4788	26.2531	65.4441	61.2535	.0000	23.5455
11.0	3.1875	1.7506	1.48	.5511	1.8146	1.3100	.6130	1.3880	1.5324	25.0768	64.9254	57.8826	.0000	23.2375
11.0	3.1875	1.7506	1.48	.5511	1.8146	1.3600	.6003	1.4506	1.5856	23.8181	64.5262	54.5117	.0000	22.9293
11.0	3.1875	1.7506	1.48	.5511	1.8146	1.4100	.5832	1.5141	1.6386	22.4716	64.2683	51.1408	.0000	22.6209
11.0	3.1875	1.7506	1.48	.5511	1.8146	1.4600	.5612	1.5786	1.6913	21.0272	64.1837	47.7699	.0000	22.3122
11.0	3.1875	1.7506	1.48	.5511	1.8146	1.5100	.5338	1.6441	1.7438	19.4694	64.3192	44.3990	.0000	22.0031
11.0	3.1875	1.7506	1.48	.5511	1.8146	1.5600	.5001	1.7106	1.7964	17.7742	64.7457	41.0281	.0000	21.6937
11.0	3.1875	1.7506	1.48	.5511	1.8146	1.6100	.4587	1.7782	1.8490	15.9034	65.5761	37.6572	.0000	21.3837
11.0	3.1875	1.7506	1.48	.5511	1.8146	1.6600	.4075	1.8469	1.9017	13.7914	67.0040	34.2864	.0000	21.0730
11.0	3.1875	1.7506	1.48	.5511	1.8146	1.7100	.3420	1.9168	1.9547	11.3113	69.4029	30.9155	.0000	20.7613
11.0	3.1875	1.7506	1.48	.5511	1.8146	1.7600	.2519	1.9878	2.0081	8.1441	73.6786	27.5446	.0000	20.4485
11.0	3.1875	1.7506	1.48	.5511	1.8146	1.8100	.0746	2.0602	2.0620	2.3607	84.7376	24.1737	.0000	20.1338
11.0	3.1875	1.7506	1.56	.6130	1.6314	.6200	.0839	.6020	.6074	7.7098	87.5125	102.1415	.0000	30.7457
11.0	3.1875	1.7506	1.56	.6130	1.6314	.6700	.2329	.6540	.6923	19.1667	82.9462	98.5884	.0000	30.4220
11.0	3.1875	1.7506	1.56	.6130	1.6314	.7200	.3105	.7065	.7694	23.3315	80.3794	95.0353	.0000	30.0982
11.0	3.1875	1.7506	1.56	.6130	1.6314	.7700	.3656	.7597	.8410	25.3990	78.4062	91.4822	.0000	29.7744
11.0	3.1875	1.7506	1.56	.6130	1.6314	.8200	.4073	.8135	.9083	26.4155	76.7662	87.9291	.0000	29.4506
11.0	3.1875	1.7506	1.56	.6130	1.6314	.8700	.4395	.8678	.9723	26.8035	75.3557	84.3760	.0000	29.1266
11.0	3.1875	1.7506	1.56	.6130	1.6314	.9200	.4642	.9229	1.0337	26.7745	74.1225	80.8229	.0000	28.8026
11.0	3.1875	1.7506	1.56	.6130	1.6314	.9700	.4825	.9785	1.0929	26.4478	73.0386	77.2698	.0000	28.4785
11.0	3.1875	1.7506	1.56	.6130	1.6314	1.0200	.4952	1.0349	1.1504	25.8950	72.0888	73.7167	.0000	28.1542
11.0	3.1875	1.7506	1.56	.6130	1.6314	1.0700	.5026	1.0919	1.2064	25.1606	71.2669	70.1636	.0000	27.8299
11.0	3.1875	1.7506	1.56	.6130	1.6314	1.1200	.5050	1.1497	1.2612	24.2724	70.5737	66.6105	.0000	27.5054
11.0	3.1875	1.7506	1.56	.6130	1.6314	1.1700	.5026	1.2081	1.3149	23.2465	70.0162	63.0574	.0000	27.1808
11.0	3.1875	1.7506	1.56	.6130	1.6314	1.2200	.4952	1.2674	1.3678	22.0907	69.6087	59.5043	.0000	26.8559
11.0	3.1875	1.7506	1.56	.6130	1.6314	1.2700	.4825	1.3274	1.4200	20.8047	69.3745	55.9512	.0000	26.5308
11.0	3.1875	1.7506	1.56	.6130	1.6314	1.3200	.4643	1.3882	1.4716	19.3807	69.3493	52.3981	.0000	26.2054
11.0	3.1875	1.7506	1.56	.6130	1.6314	1.3700	.4399	1.4498	1.5227	17.8011	69.5880	48.8450	.0000	25.8797
11.0	3.1875	1.7506	1.56	.6130	1.6314	1.4200	.4081	1.5123	1.5735	16.0337	70.1770	45.2919	.0000	25.5536
11.0	3.1875	1.7506	1.56	.6130	1.6314	1.4700	.3671	1.5756	1.6240	14.0206	71.2612	41.7388	.0000	25.2269
11.0	3.1875	1.7506	1.56	.6130	1.6314	1.5200	.3134	1.6399	1.6744	11.6485	73.1107	38.1857	.0000	24.8996
11.0	3.1875	1.7506	1.56	.6130	1.6314	1.5700	.2386	1.7051	1.7247	8.6424	76.3426	34.6326	.0000	24.5714
11.0	3.1875	1.7506	1.56	.6130	1.6314	1.6200	.1054	1.7713	1.7751	3.7222	83.5489	31.0795	.0000	24.2419
11.0	3.1875	1.7506	1.64	.6940	1.4409	.7000	.0662	.6829	.6860	5.4029	87.8807	93.9056	.0000	33.6502
11.0	3.1875	1.7506	1.64	.6940	1.4409	.7500	.1955	.7355	.7600	14.6085	83.5865	90.1703	.0000	33.3096
11.0	3.1875	1.7506	1.64	.6940	1.4409	.8000	.2590	.7885	.8288	17.9378	81.2829	86.4350	.0000	32.9690
11.0	3.1875	1.7506	1.64	.6940	1.4409	.8500	.3016	.8422	.8936	19.5352	79.5740	82.6997	.0000	32.6282
11.0	3.1875	1.7506	1.64	.6940	1.4409	.9000	.3315	.8964	.9553	20.2193	78.2169	78.9644	.0000	32.2873
11.0	3.1875	1.7506	1.64	.6940	1.4409	.9500	.3519	.9513	1.0144	20.3263	77.1204	75.2290	.0000	31.9463
11.0	3.1875	1.7506	1.64	.6940	1.4409	1.0000	.3645	1.0067	1.0715	20.0261	76.2456	71.4937	.0000	31.6052
11.0	3.1875	1.7506	1.64	.6940	1.4409	1.0500	.3700	1.0628	1.1269	19.4124	75.5800	67.7584	.0000	31.2638
11.0	3.1875	1.7506	1.64	.6940	1.4409	1.1000	.3688	1.1195	1.1808	18.5367	75.1291	64.0231	.0000	30.9223
11.0	3.1875	1.7506	1.64	.6940	1.4409	1.1500	.3609	1.1770	1.2335	17.4230	74.9161	60.2878	.0000	30.5805
11.0	3.1875	1.7506	1.64	.6940	1.4409	1.2000	.3457	1.2351	1.2853	16.0728	74.9855	56.5525	.0000	30.2384
11.0	3.1875	1.7506	1.64	.6940	1.4409	1.2500	.3224	1.2939	1.3362	14.4627	75.4148	52.8172	.0000	29.8960
11.0	3.1875	1.7506	1.64	.6940	1.4409	1.3000	.2889	1.3534	1.3864	12.5308	76.3419	49.0818	.0000	29.5532
11.0	3.1875	1.7506	1.64	.6940	1.4409	1.3500	.2412	1.4137	1.4361	10.1312	78.0424	45.3465	.0000	29.2098
11.0	3.1875	1.7506	1.64	.6940	1.4409	1.4000	.1677	1.4748	1.4853	6.8295	81.2473	41.6112	.0000	28.8657
11.0	3.1875	1.7506	1.72	.8283	1.2073	.8300	.0254	.8174	.8178	1.7543	89.0900	81.1691	.0000	36.3256
11.0	3.1875	1.7506	1.72	.8283	1.2073	.8800	.1292	.8709	.8803	8.3534	85.2360	77.2516	.0000	35.9679
11.0	3.1875	1.7506	1.72	.8283	1.2073	.9300	.1667	.9251	.9398	10.1636	83.6596	73.3340	.0000	35.6099
11.0	3.1875	1.7506	1.72	.8283	1.2073	.9800	.1843	.9797	.9969	10.6489	82.7599	69.4165	.0000	35.2517
11.0	3.1875	1.7506	1.72	.8283	1.2073	1.0300	.1876	1.0350	1.0520	10.3207	82.3717	65.4990	.0000	34.8933
11.0	3.1875	1.7506	1.72	.8283	1.2073	1.0800	.1775	1.0908	1.1055	9.3309	82.5141	61.5815	.0000	34.5347
11.0	3.1875	1.7506	1.72	.8283	1.2073	1.1300	.1513	1.1473	1.1576	7.6270	83.3632	57.6640	.0000	34.1756
11.0	3.1875	1.7506	1.72	.8283	1.2073	1.1800	.0971	1.2044	1.2085	4.7028	85.5611	53.7464	.0000	33.8162

PROPERTIES ACROSS AN OBLIQUE DETONATION WAVE

GAMMA = 1.2

M1	M1*	OELMAX	OEL	XMIN	XMAX	X(M2U*)	Y(M2V*)	M2U	M2	THETA	SIGMA	PR21	PTR21	TR21
14.0	3.2351	1.7721	1.00	.3091	3.2351	.3100	.0510	.2969	.3009	9.3371	89.0017	213.6624	.0000	20.4152
14.0	3.2351	1.7721	1.00	.3091	3.2351	.3600	.3815	.3476	.5065	46.6629	82.4411	210.0273	.0000	20.0847
14.0	3.2351	1.7721	1.00	.3091	3.2351	.4100	.5325	.3992	.6543	52.4041	79.3262	206.3922	.0000	19.7542
14.0	3.2351	1.7721	1.00	.3091	3.2351	.4600	.6454	.4517	.7782	54.5196	76.9084	202.7571	.0000	19.4238
14.0	3.2351	1.7721	1.00	.3091	3.2351	.5100	.7379	.5051	.8883	55.3488	74.8495	199.1220	.0000	19.0933
14.0	3.2351	1.7721	1.00	.3091	3.2351	.5600	.8170	.5595	.9895	55.5707	73.0178	195.4869	.0000	18.7628
14.0	3.2351	1.7721	1.00	.3091	3.2351	.6100	.8862	.6149	1.0844	55.4598	71.3457	191.8518	.0000	18.4323
14.0	3.2351	1.7721	1.00	.3091	3.2351	.6600	.9478	.6713	1.1748	55.1491	69.7930	188.2167	.0000	18.1019
14.0	3.2351	1.7721	1.00	.3091	3.2351	.7100	1.0032	.7288	1.2616	54.7105	68.3336	184.5816	.0000	17.7714
14.0	3.2351	1.7721	1.00	.3091	3.2351	.7600	1.0532	.7875	1.3458	54.1861	66.9490	180.9465	.0000	17.4409
14.0	3.2351	1.7721	1.00	.3091	3.2351	.8100	1.0988	.8474	1.4281	53.6024	65.6261	177.3114	.0000	17.1104
14.0	3.2351	1.7721	1.00	.3091	3.2351	.8600	1.1403	.9085	1.5088	52.9762	64.3548	173.6763	.0000	16.7800
14.0	3.2351	1.7721	1.00	.3091	3.2351	.9100	1.1782	.9710	1.5885	52.3191	63.1272	170.0412	.0000	16.4495
14.0	3.2351	1.7721	1.00	.3091	3.2351	.9600	1.2129	1.0348	1.6673	51.6390	61.9371	166.4060	.0000	16.1190
14.0	3.2351	1.7721	1.00	.3091	3.2351	1.0100	1.2446	1.1000	1.7457	50.9414	60.7792	162.7709	.0000	15.7885
14.0	3.2351	1.7721	1.00	.3091	3.2351	1.0600	1.2736	1.1667	1.8238	50.2302	59.6495	159.1358	.0000	15.4581
14.0	3.2351	1.7721	1.00	.3091	3.2351	1.1100	1.3000	1.2350	1.9020	49.5083	58.5442	155.5007	.0000	15.1276
14.0	3.2351	1.7721	1.00	.3091	3.2351	1.1600	1.3240	1.3050	1.9803	48.7778	57.4603	151.8656	.0000	14.7971
14.0	3.2351	1.7721	1.00	.3091	3.2351	1.2100	1.3457	1.3767	2.0590	48.0401	56.3952	148.2305	.0000	14.4666
14.0	3.2351	1.7721	1.00	.3091	3.2351	1.2600	1.3653	1.4502	2.1384	47.2963	55.3465	144.5954	.0000	14.1362
14.0	3.2351	1.7721	1.00	.3091	3.2351	1.3100	1.3827	1.5257	2.2184	46.5472	54.3120	140.9603	.0000	13.8057
14.0	3.2351	1.7721	1.00	.3091	3.2351	1.3600	1.3982	1.6033	2.2994	45.7931	53.2901	137.3252	.0000	13.4752
14.0	3.2351	1.7721	1.00	.3091	3.2351	1.4100	1.4117	1.6830	2.3815	45.0344	52.2788	133.6901	.0000	13.1447
14.0	3.2351	1.7721	1.00	.3091	3.2351	1.4600	1.4233	1.7650	2.4649	44.2713	51.2768	130.0550	.0000	12.8142
14.0	3.2351	1.7721	1.00	.3091	3.2351	1.5100	1.4331	1.8494	2.5498	43.5036	50.2825	126.4199	.0000	12.4837
14.0	3.2351	1.7721	1.00	.3091	3.2351	1.5600	1.4411	1.9365	2.6363	42.7314	49.2946	122.7848	.0000	12.1533
14.0	3.2351	1.7721	1.00	.3091	3.2351	1.6100	1.4473	2.0263	2.7247	41.9544	48.3118	119.1497	.0000	11.8228
14.0	3.2351	1.7721	1.00	.3091	3.2351	1.6600	1.4518	2.1191	2.8151	41.1724	47.3329	115.5146	.0001	11.4923
14.0	3.2351	1.7721	1.00	.3091	3.2351	1.7100	1.4546	2.2150	2.9079	40.3850	46.3568	111.8795	.0001	11.1618
14.0	3.2351	1.7721	1.00	.3091	3.2351	1.7600	1.4556	2.3142	3.0032	39.5918	45.3822	108.2444	.0001	10.8313
14.0	3.2351	1.7721	1.00	.3091	3.2351	1.8100	1.4549	2.4172	3.1012	38.7923	44.4081	104.6093	.0001	10.5008
14.0	3.2351	1.7721	1.00	.3091	3.2351	1.8600	1.4525	2.5240	3.2023	37.9861	43.4333	100.9742	.0001	10.1703
14.0	3.2351	1.7721	1.00	.3091	3.2351	1.9100	1.4483	2.6350	3.3069	37.1724	42.4566	97.3391	.0001	9.8398
14.0	3.2351	1.7721	1.00	.3091	3.2351	1.9600	1.4424	2.7505	3.4151	36.3506	41.4770	93.7040	.0001	9.5093
14.0	3.2351	1.7721	1.00	.3091	3.2351	2.0100	1.4348	2.8710	3.5275	35.5200	40.4932	90.0689	.0002	9.1788
14.0	3.2351	1.7721	1.00	.3091	3.2351	2.0600	1.4253	2.9969	3.6443	34.6797	39.5041	86.4338	.0002	8.8483
14.0	3.2351	1.7721	1.00	.3091	3.2351	2.1100	1.4141	3.1286	3.7662	33.8288	38.5082	82.7987	.0002	8.5178
14.0	3.2351	1.7721	1.00	.3091	3.2351	2.1600	1.4009	3.2668	3.8937	32.9662	37.5043	79.1636	.0003	8.1873
14.0	3.2351	1.7721	1.00	.3091	3.2351	2.2100	1.3858	3.4120	4.0273	32.0908	36.4909	75.5285	.0003	7.8568
14.0	3.2351	1.7721	1.00	.3091	3.2351	2.2600	1.3688	3.5650	4.1678	31.2012	35.4664	71.8934	.0004	7.5262
14.0	3.2351	1.7721	1.00	.3091	3.2351	2.3100	1.3496	3.7266	4.3160	30.2960	34.4291	68.2583	.0005	7.1957
14.0	3.2351	1.7721	1.00	.3091	3.2351	2.3600	1.3284	3.8978	4.4729	29.3735	33.3770	64.6232	.0006	6.8652
14.0	3.2351	1.7721	1.00	.3091	3.2351	2.4100	1.3048	4.0798	4.6394	28.4318	32.3080	60.9881	.0008	6.5346
14.0	3.2351	1.7721	1.00	.3091	3.2351	2.4600	1.2789	4.2740	4.8171	27.4686	31.2198	57.3530	.0010	6.2041
14.0	3.2351	1.7721	1.00	.3091	3.2351	2.5100	1.2504	4.4819	5.0073	26.4814	30.1095	53.7179	.0013	5.8735
14.0	3.2351	1.7721	1.00	.3091	3.2351	2.5600	1.2193	4.7055	5.2120	25.4672	28.9740	50.0828	.0017	5.5429
14.0	3.2351	1.7721	1.00	.3091	3.2351	2.6100	1.1852	4.9472	5.4334	24.4222	27.8096	46.4477	.0023	5.2123
14.0	3.2351	1.7721	1.00	.3091	3.2351	2.6600	1.1479	5.2100	5.6744	23.3422	26.6119	42.8126	.0032	4.8817
14.0	3.2351	1.7721	1.00	.3091	3.2351	2.7100	1.1071	5.4973	5.9384	22.2218	25.3754	39.1775	.0044	4.5510
14.0	3.2351	1.7721	1.00	.3091	3.2351	2.7600	1.0625	5.8140	6.2299	21.0542	24.0938	35.5424	.0063	4.2203
14.0	3.2351	1.7721	1.00	.3091	3.2351	2.8100	1.0134	6.1658	6.5545	19.8310	22.7585	31.9073	.0092	3.8896
14.0	3.2351	1.7721	1.00	.3091	3.2351	2.8600	.9592	6.5608	6.9199	18.5409	21.3591	28.2722	.0139	3.5588
14.0	3.2351	1.7721	1.00	.3091	3.2351	2.9100	.8991	7.0093	7.3362	17.1688	19.8813	24.6371	.0218	3.2278
14.0	3.2351	1.7721	1.00	.3091	3.2351	2.9600	.8316	7.5262	7.8176	15.6930	18.3055	21.0020	.0355	2.8967
14.0	3.2351	1.7721	1.00	.3091	3.2351	3.0100	.7550	8.1326	8.3845	14.0812	16.6031	17.3669	.0609	2.5654
14.0	3.2351	1.7721	1.00	.3091	3.2351	3.0600	.6661	8.8605	9.0681	12.2810	14.7296	13.7318	.1106	2.2336
14.0	3.2351	1.7721	1.00	.3091	3.2351	3.1100	.5594	9.7619	9.9185	10.1968	12.6080	10.0967	.2141	1.9008
14.0	3.2351	1.7721	1.00	.3091	3.2351	3.1600	.4225	10.9298	11.0271	7.6155	10.0820	6.4616	.4391	1.5654
14.0	3.2351	1.7721	1.00	.3091	3.2351	3.2100	.2136	12.5880	12.6158	3.8070	6.7080	2.8265	.8666	1.2178
14.0	3.2351	1.7721	1.08	.3399	2.9418	.3400	.0132	.3259	.3261	2.2295	89.7265	209.5038	.0000	23.7749
14.0	3.2351	1.7721	1.08	.3399	2.9418	.3900	.3565	.3767	.5103	42.4295	82.5414	205.5779	.0000	23.4180
14.0	3.2351	1.7721	1.08	.3399	2.9418	.4400	.4990	.4282	.6475	48.5948	79.4259	201.6520	.0000	23.0611
14.0	3.2351	1.7721	1.08	.3399	2.9418	.4900	.6049	.4806	.7636	50.9907	77.0139	197.7261	.0000	22.7041
14.0	3.2351	1.7721	1.08	.3399	2.9418	.5400	.6912	.5339	.8672	52.0029	74.9625	193.8002	.0000	22.3472
14.0	3.2351	1.7721	1.08	.3399	2.9418	.5900	.7647	.5880	.9626	52.3472	73.1390	189.8743	.0000	21.9902
14.0	3.2351	1.7721	1.08	.3399	2.9418	.6400	.8286	.6431	1.0521	52.3191	71.4754	185.9484	.0000	21.6333
14.0	3.2351	1.7721	1.08	.3399	2.9418	.6900	.8852	.6991	1.1372	52.0636	69.9315	182.0224	.0000	21.2763
14.0	3.2351	1.7721	1.08	.3399	2.9418	.7400	.9357	.7562	1.2190	51.6601	68.4810	178.0965	.0000	20.9194
14.0	3.2351	1.7721	1.08	.3399	2.9418	.7900	.9810	.8142	1.2982	51.1557	67.1056	174.1706	.0000	20.5624
14.0	3.2351	1.7721	1.08	.3399	2.9418	.8400	1.0219	.8734	1.3754	50.5800	65.7921	170.2447	.0000	20.2055
14.0	3.2351	1.7721	1.08	.3399	2.9418	.8900	1.0589	.9337	1.4511	49.9524	64.5304	166.3188	.0000	19.8485
14.0	3.2351	1.7721	1.08	.3399	2.9418	.9400	1.0923	.9951	1.5256	49.2858	63.3127	162.3929	.0000	19.4915
14.0	3.2351	1.7721	1.08	.3399	2.9418	.9900	1.1225	1.0578	1.5992	48.5895	62.1327	158.4670	.0000	19.1346
14.0	3.2351	1.7721	1.08	.3399	2.9418	1.0400	1.1498	1.1217	1.6721	47.8698	60.9855	154.5411	.0000	18.7776
14.0	3.2351	1.7721	1.08	.3399	2.9418	1.0900	1.1743	1.1870	1.7447	47.1312	59.8667	150.6152	.0000	18.4206
14.0	3.2351	1.7721	1.08	.3399	2.9418	1.1400	1.1962	1.2536	1.8171	46.3773	58.7729	146.6893	.0000	18.0637
14.0	3.2351	1.7721	1.08	.3399	2.9418	1.1900	1.2156	1.3217	1.8894	45.6103	57.7010	142.7633	.0000	17.7067
14.0	3.2351	1.7721	1.08	.3399	2.9418	1.2400	1.2328	1.3914	1.9619	44.8320	56.6483	138.8374	.0000	17.3497
14.0	3.2351	1.7721	1.08	.3399	2.9418	1.2900	1.2476	1.4626	2.0347	44.0437	55.6127	134.9115	.0000	16.9927
14.0	3.2351	1.7721	1.08	.3399	2.9418	1.3400	1.2604	1.5355	2.1080	43.2461	54.5921	130.9856	.0000	16.6357
14.0	3.2351	1.7721	1.08	.3399	2.9418	1.3900	1.2710	1.6101	2.1818	42.4398	53.5847	127.0597	.0000	16.2787
14.0	3.2351	1.7721	1.08	.3399	2.9418	1.4400	1.2796	1.6867	2.2564	41.6250	52.5890	123.1338	.0000	15.9217
14.0	3.2351	1.7721	1.08	.3399	2.9418	1.4900	1.2862	1.7651	2.3318	40.8019	51.6034	119.2079	.0000	15.5647
14.0	3.2351	1.7721	1.08	.3399	2.9418	1.5400	1.2909	1.8457	2.4083	39.9703	50.6266	115.2820	.0000	15.2076
14.0	3.2351	1.7721	1.08	.3399	2.9418	1.5900	1.2935	1.9284	2.4859	39.1301	49.6575	111.3561	.0000	14.8506
14.0	3.2351	1.7721	1.08	.3399	2.9418	1.6400	1.2943	2.0133	2.5648	38.2807	48.6948	107.4302	.0000	14.4936
14.0	3.2351	1.7721	1.08	.3399	2.9418	1.6900	1.2931	2.1008	2.6452	37.4218	47.7376	103.5043	.0000	14.1365
14.0	3.2351	1.7721	1.08	.3399	2.9418	1.7400	1.2900	2.1908	2.7272	36.5528	46.7849	99.5783	.0000	13.7795
14.0	3.2351	1.7721	1.08	.3399	2.9418	1.7900	1.2850	2.2835	2.8109	35.6727	45.8358	95.6524	.0000	13.4224
14.0	3.2351	1.7721	1.08	.3399	2.9418	1.8400	1.2779	2.3791	2.8967	34.7808	44.8895	91.7265	.0000	13.0653
14.0	3.2351	1.7721	1.08	.3399	2.9418	1.8900	1.2689	2.4779	2.9845	33.8761	43.9451	87.8006	.0001	12.7082
14.0	3.2351	1.7721	1.08	.3399	2.9418	1.9400	1.2578	2.5799	3.0748	32.9574	43.0020	83.8747	.0001	12.3510
14.0	3.2351	1.7721	1.08	.3399	2.9418	1.9900	1.2446	2.6856	3.1676	32.0233	42.0595	79.9488	.0001	11.9939
14.0	3.2351	1.7721	1.08	.3399	2.9418	2.0400	1.2293	2.7950	3.2632	31.0723	41.1171	76.0229	.0001	11.6367
14.0	3.2351	1.7721	1.08	.3399	2.9418	2.0900	1.2117	2.9085	3.3619	30.1026	40.1743	72.0970	.0001	11.2795
14.0	3.2351	1.7721	1.08	.3399	2.9418	2.1400	1.1917	3.0263	3.4640	29.1122	39.2308	68.1711	.0001	10.9223
14.0	3.2351	1.7721	1.08	.3399	2.9418	2.1900	1.1693	3.1490	3.5697	28.0987	38.2865	64.2452	.0001	10.5650
14.0	3.2351	1.7721	1.08	.3399	2.9418	2.2400	1.1443	3.2768	3.6795	27.0592	37.3415	60.3192	.0001	10.2076
14.0	3.2351	1.7721	1.08	.3399	2.9418	2.2900	1.1164	3.4101	3.7938	25.9905	36.3963	56.3933	.0002	9.8502
14.0	3.2351	1.7721	1.08	.3399	2.9418	2.3400	1.0856	3.5496	3.9130	24.8886	35.4520	52.4674	.0002	9.4928
14.0	3.2351	1.7721	1.08	.3399	2.9418	2.3900	1.0516	3.6957	4.0376	23.7487	34.5104	48.5415	.0002	9.1352
14.0	3.2351	1.7721	1.08	.3399	2.9418	2.4400	1.0139	3.8491	4.1682	22.5648	33.5747	44.6156	.0002	8.7775
14.0	3.2351	1.7721	1.08	.3399	2.9418	2.4900	.9723	4.0106	4.3055	21.3294	32.6500	40.6897	.0003	8.4197
14.0	3.2351	1.7721	1.08	.3399	2.9418	2.5400	.9261	4.1810	4.4503	20.0330	31.7448	36.7638	.0003	8.0617
14.0	3.2351	1.7721	1.08	.3399	2.9418	2.5900	.8748	4.3613	4.6034	18.6629	30.8732	32.8379	.0004	7.7034
14.0	3.2351	1.7721	1.08	.3399	2.9418	2.6400	.8173	4.5528	4.7660	17.2015	30.0596	28.9120	.0005	7.3447
14.0	3.2351	1.7721	1.08	.3399	2.9418	2.6900	.7523	4.7568	4.9393	15.6240	29.3487	24.9861	.0005	6.9855
14.0	3.2351	1.7721	1.08	.3399	2.9418	2.7400	.6777	4.9751	5.1250	13.8923	28.8282	21.0601	.0006	6.6254
14.0	3.2351	1.7721	1.08	.3399	2.9418	2.7900	.5902	5.2101	5.3253	11.9434	28.6925	17.1342	.0007	6.2639
14.0	3.2351	1.7721	1.08	.3399	2.9418	2.8400	.4833	5.4647	5.5433	9.6571	29.4624	13.2083	.0008	5.8996
14.0	3.2351	1.7721	1.08	.3399	2.9418	2.8900	.3415	5.7442	5.7842	6.7395	33.1430	9.2824	.0008	5.5292
14.0	3.2351	1.7721	1.08	.3399	2.9418	2.9400	.0605	6.0612	6.0625	1.1795	70.7148	5.3565	.0007	5.1392

14.0	3.2351	1.7721	1.16	.3728	2.6826	.3800	.1287	.3650	.3853	18.7043	87.1928	204.1529	.0000	27.3138
14.0	3.2351	1.7721	1.16	.3728	2.6826	.4300	.3581	.4160	.5413	39.7840	82.0799	199.9362	.0000	26.9304
14.0	3.2351	1.7721	1.16	.3728	2.6826	.4800	.4846	.4677	.6646	45.2748	79.1300	195.7195	.0000	26.5469
14.0	3.2351	1.7721	1.16	.3728	2.6826	.5300	.5801	.5201	.7711	47.5842	76.8024	191.5028	.0000	26.1635
14.0	3.2351	1.7721	1.16	.3728	2.6826	.5800	.6582	.5734	.8673	48.6122	74.8078	187.2861	.0000	25.7801
14.0	3.2351	1.7721	1.16	.3728	2.6826	.6300	.7245	.6275	.9563	48.9893	73.0280	183.0694	.0000	25.3966
14.0	3.2351	1.7721	1.16	.3728	2.6826	.6800	.7820	.6825	1.0401	48.9904	71.4009	178.8526	.0000	25.0132
14.0	3.2351	1.7721	1.16	.3728	2.6826	.7300	.8326	.7384	1.1200	48.7555	69.8890	174.6359	.0000	24.6297
14.0	3.2351	1.7721	1.16	.3728	2.6826	.7800	.8774	.7952	1.1968	48.3633	68.4677	170.4192	.0000	24.2463
14.0	3.2351	1.7721	1.16	.3728	2.6826	.8300	.9173	.8529	1.2713	47.8613	67.1199	166.2025	.0000	23.8628
14.0	3.2351	1.7721	1.16	.3728	2.6826	.8800	.9530	.9117	1.3438	47.2801	65.8329	161.9858	.0000	23.4794
14.0	3.2351	1.7721	1.16	.3728	2.6826	.9300	.9848	.9714	1.4149	46.6395	64.5972	157.7690	.0000	23.0959
14.0	3.2351	1.7721	1.16	.3728	2.6826	.9800	1.0132	1.0323	1.4848	45.9536	63.4054	153.5523	.0000	22.7124
14.0	3.2351	1.7721	1.16	.3728	2.6826	1.0300	1.0384	1.0942	1.5537	45.2317	62.2516	149.3356	.0000	22.3289
14.0	3.2351	1.7721	1.16	.3728	2.6826	1.0800	1.0606	1.1573	1.6220	44.4809	61.1309	145.1189	.0000	21.9455
14.0	3.2351	1.7721	1.16	.3728	2.6826	1.1300	1.0801	1.2216	1.6899	43.7061	60.0395	140.9022	.0000	21.5620
14.0	3.2351	1.7721	1.16	.3728	2.6826	1.1800	1.0969	1.2872	1.7574	42.9107	58.9741	136.6855	.0000	21.1784
14.0	3.2351	1.7721	1.16	.3728	2.6826	1.2300	1.1113	1.3540	1.8248	42.0974	57.9319	132.4687	.0000	20.7949
14.0	3.2351	1.7721	1.16	.3728	2.6826	1.2800	1.1232	1.4222	1.8922	41.2679	56.9106	128.2520	.0000	20.4114
14.0	3.2351	1.7721	1.16	.3728	2.6826	1.3300	1.1329	1.4919	1.9597	40.4234	55.9082	124.0353	.0000	20.0278
14.0	3.2351	1.7721	1.16	.3728	2.6826	1.3800	1.1402	1.5630	2.0275	39.5648	54.9230	119.8186	.0000	19.6443
14.0	3.2351	1.7721	1.16	.3728	2.6826	1.4300	1.1453	1.6357	2.0956	38.6924	53.9536	115.6019	.0000	19.2607
14.0	3.2351	1.7721	1.16	.3728	2.6826	1.4800	1.1483	1.7100	2.1643	37.8063	52.9988	111.3852	.0000	18.8771
14.0	3.2351	1.7721	1.16	.3728	2.6826	1.5300	1.1490	1.7860	2.2335	36.9064	52.0577	107.1684	.0000	18.4935
14.0	3.2351	1.7721	1.16	.3728	2.6826	1.5800	1.1476	1.8638	2.3035	35.9921	51.1294	102.9517	.0000	18.1098
14.0	3.2351	1.7721	1.16	.3728	2.6826	1.6300	1.1440	1.9435	2.3744	35.0628	50.2135	98.7350	.0000	17.7262
14.0	3.2351	1.7721	1.16	.3728	2.6826	1.6800	1.1382	2.0251	2.4461	34.1178	49.3097	94.5183	.0000	17.3425
14.0	3.2351	1.7721	1.16	.3728	2.6826	1.7300	1.1302	2.1088	2.5190	33.1557	48.4177	90.3016	.0000	16.9587
14.0	3.2351	1.7721	1.16	.3728	2.6826	1.7800	1.1199	2.1948	2.5930	32.1754	47.5380	86.0848	.0000	16.5750
14.0	3.2351	1.7721	1.16	.3728	2.6826	1.8300	1.1072	2.2830	2.6683	31.1751	46.6709	81.8681	.0000	16.1912
14.0	3.2351	1.7721	1.16	.3728	2.6826	1.8800	1.0921	2.3737	2.7451	30.1529	45.8175	77.6514	.0000	15.8073
14.0	3.2351	1.7721	1.16	.3728	2.6826	1.9300	1.0745	2.4670	2.8235	29.1065	44.9793	73.4347	.0000	15.4234
14.0	3.2351	1.7721	1.16	.3728	2.6826	1.9800	1.0543	2.5630	2.9037	28.0332	44.1585	69.2180	.0000	15.0394
14.0	3.2351	1.7721	1.16	.3728	2.6826	2.0300	1.0312	2.6619	2.9857	26.9297	43.3582	65.0013	.0000	14.6553
14.0	3.2351	1.7721	1.16	.3728	2.6826	2.0800	1.0052	2.7639	3.0698	25.7920	42.5830	60.7845	.0000	14.2711
14.0	3.2351	1.7721	1.16	.3728	2.6826	2.1300	.9759	2.8693	3.1561	24.6154	41.8391	56.5678	.0000	13.8868
14.0	3.2351	1.7721	1.16	.3728	2.6826	2.1800	.9431	2.9782	3.2449	23.3937	41.1355	52.3511	.0001	13.5023
14.0	3.2351	1.7721	1.16	.3728	2.6826	2.2300	.9064	3.0908	3.3364	22.1197	40.4853	48.1344	.0001	13.1177
14.0	3.2351	1.7721	1.16	.3728	2.6826	2.2800	.8653	3.2075	3.4308	20.7835	39.9078	43.9177	.0001	12.7327
14.0	3.2351	1.7721	1.16	.3728	2.6826	2.3300	.8193	3.3286	3.5284	19.3725	39.4328	39.7009	.0001	12.3475
14.0	3.2351	1.7721	1.16	.3728	2.6826	2.3800	.7673	3.4544	3.6295	17.8692	39.1074	35.4842	.0001	11.9618
14.0	3.2351	1.7721	1.16	.3728	2.6826	2.4300	.7082	3.5854	3.7345	16.2487	39.0114	31.2675	.0001	11.5754
14.0	3.2351	1.7721	1.16	.3728	2.6826	2.4800	.6401	3.7219	3.8439	14.4730	39.2893	27.0508	.0001	11.1881
14.0	3.2351	1.7721	1.16	.3728	2.6826	2.5300	.5599	3.8647	3.9582	12.4794	40.2333	22.8341	.0001	10.7994
14.0	3.2351	1.7721	1.16	.3728	2.6826	2.5800	.4618	4.0145	4.0783	10.1479	42.5392	18.6174	.0001	10.4082
14.0	3.2351	1.7721	1.16	.3728	2.6826	2.6300	.3313	4.1723	4.2053	7.1806	48.4409	14.4006	.0001	10.0125
14.0	3.2351	1.7721	1.16	.3728	2.6826	2.6800	.0732	4.3405	4.3422	1.5644	77.2603	10.1839	.0001	9.6066

14.0	3.2351	1.7721	1.24	.4081	2.4501	.4100	.0613	.3940	.3984	8.5080	88.5920	199.2383	.0000	31.1797
14.0	3.2351	1.7721	1.24	.4081	2.4501	.4600	.3203	.4450	.5423	34.8530	82.5364	194.7308	.0000	30.7698
14.0	3.2351	1.7721	1.24	.4081	2.4501	.5100	.4433	.4967	.6581	40.9948	79.5156	190.2232	.0000	30.3599
14.0	3.2351	1.7721	1.24	.4081	2.4501	.5600	.5342	.5491	.7588	43.6476	77.1688	185.7157	.0000	29.9499
14.0	3.2351	1.7721	1.24	.4081	2.4501	.6100	.6076	.6023	.8501	44.8878	75.1722	181.2082	.0000	29.5400
14.0	3.2351	1.7721	1.24	.4081	2.4501	.6600	.6694	.6562	.9346	45.4041	73.3990	176.7007	.0000	29.1300
14.0	3.2351	1.7721	1.24	.4081	2.4501	.7100	.7224	.7109	1.0143	45.4979	71.7837	172.1931	.0000	28.7201
14.0	3.2351	1.7721	1.24	.4081	2.4501	.7600	.7686	.7665	1.0901	45.3238	70.2874	167.6856	.0000	28.3101
14.0	3.2351	1.7721	1.24	.4081	2.4501	.8100	.8091	.8229	1.1631	44.9690	68.8848	163.1781	.0000	27.9002
14.0	3.2351	1.7721	1.24	.4081	2.4501	.8600	.8447	.8802	1.2337	44.4866	67.5583	158.6706	.0000	27.4902
14.0	3.2351	1.7721	1.24	.4081	2.4501	.9100	.8760	.9384	1.3025	43.9106	66.2953	154.1630	.0000	27.0802
14.0	3.2351	1.7721	1.24	.4081	2.4501	.9600	.9035	.9975	1.3698	43.2637	65.0863	149.6555	.0000	26.6702
14.0	3.2351	1.7721	1.24	.4081	2.4501	1.0100	.9275	1.0576	1.4359	42.5612	63.9239	145.1480	.0000	26.2602
14.0	3.2351	1.7721	1.24	.4081	2.4501	1.0600	.9482	1.1188	1.5011	41.8141	62.8024	140.6404	.0000	25.8501
14.0	3.2351	1.7721	1.24	.4081	2.4501	1.1100	.9659	1.1809	1.5655	41.0301	61.7173	136.1329	.0000	25.4401
14.0	3.2351	1.7721	1.24	.4081	2.4501	1.1600	.9808	1.2442	1.6293	40.2146	60.6649	131.6254	.0000	25.0300
14.0	3.2351	1.7721	1.24	.4081	2.4501	1.2100	.9929	1.3086	1.6928	39.3716	59.6423	127.1179	.0000	24.6199
14.0	3.2351	1.7721	1.24	.4081	2.4501	1.2600	1.0024	1.3741	1.7560	38.5039	58.6473	122.6103	.0000	24.2098
14.0	3.2351	1.7721	1.24	.4081	2.4501	1.3100	1.0093	1.4409	1.8190	37.6132	57.6781	118.1028	.0000	23.7996
14.0	3.2351	1.7721	1.24	.4081	2.4501	1.3600	1.0137	1.5090	1.8821	36.7007	56.7334	113.5953	.0000	23.3895
14.0	3.2351	1.7721	1.24	.4081	2.4501	1.4100	1.0157	1.5784	1.9452	35.7669	55.8123	109.0878	.0000	22.9793
14.0	3.2351	1.7721	1.24	.4081	2.4501	1.4600	1.0152	1.6491	2.0086	34.8120	54.9144	104.5802	.0000	22.5690
14.0	3.2351	1.7721	1.24	.4081	2.4501	1.5100	1.0122	1.7213	2.0723	33.8355	54.0398	100.0727	.0000	22.1587
14.0	3.2351	1.7721	1.24	.4081	2.4501	1.5600	1.0068	1.7950	2.1364	32.8367	53.1889	95.5652	.0000	21.7484
14.0	3.2351	1.7721	1.24	.4081	2.4501	1.6100	.9988	1.8703	2.2010	31.8143	52.3628	91.0577	.0000	21.3380
14.0	3.2351	1.7721	1.24	.4081	2.4501	1.6600	.9883	1.9472	2.2661	30.7667	51.5634	86.5501	.0000	20.9276
14.0	3.2351	1.7721	1.24	.4081	2.4501	1.7100	.9750	2.0258	2.3320	29.6918	50.7931	82.0426	.0000	20.5170
14.0	3.2351	1.7721	1.24	.4081	2.4501	1.7600	.9591	2.1062	2.3986	28.5871	50.0556	77.5351	.0000	20.1064
14.0	3.2351	1.7721	1.24	.4081	2.4501	1.8100	.9402	2.1885	2.4662	27.4491	49.3560	73.0276	.0000	19.6957
14.0	3.2351	1.7721	1.24	.4081	2.4501	1.8600	.9182	2.2728	2.5347	26.2740	48.7011	68.5200	.0000	19.2848
14.0	3.2351	1.7721	1.24	.4081	2.4501	1.9100	.8929	2.3592	2.6043	25.0566	48.1006	64.0125	.0000	18.8739
14.0	3.2351	1.7721	1.24	.4081	2.4501	1.9600	.8641	2.4478	2.6751	23.7908	47.5677	59.5050	.0000	18.4627
14.0	3.2351	1.7721	1.24	.4081	2.4501	2.0100	.8313	2.5386	2.7472	22.4686	47.1213	54.9975	.0000	18.0513
14.0	3.2351	1.7721	1.24	.4081	2.4501	2.0600	.7940	2.6320	2.8207	21.0794	46.7886	50.4899	.0000	17.6396
14.0	3.2351	1.7721	1.24	.4081	2.4501	2.1100	.7517	2.7279	2.8959	19.6095	46.6105	45.9824	.0000	17.2275
14.0	3.2351	1.7721	1.24	.4081	2.4501	2.1600	.7035	2.8266	2.9727	18.0396	46.6507	41.4749	.0000	16.8149
14.0	3.2351	1.7721	1.24	.4081	2.4501	2.2100	.6480	2.9282	3.0515	16.3417	47.0139	36.9674	.0000	16.4017
14.0	3.2351	1.7721	1.24	.4081	2.4501	2.2600	.5833	3.0330	3.1324	14.4722	47.8853	32.4598	.0000	15.9875
14.0	3.2351	1.7721	1.24	.4081	2.4501	2.3100	.5061	3.1412	3.2157	12.3567	49.6291	27.9523	.0000	15.5718
14.0	3.2351	1.7721	1.24	.4081	2.4501	2.3600	.4095	3.2532	3.3018	9.8446	53.0888	23.4448	.0000	15.1539
14.0	3.2351	1.7721	1.24	.4081	2.4501	2.4100	.2751	3.3693	3.3912	6.5121	60.9477	18.9372	.0000	14.7322

14.0	3.2351	1.7721	1.32	.4468	2.2382	.4500	.0757	.4332	.4393	9.5467	88.1678	193.0150	.0000	35.2140
14.0	3.2351	1.7721	1.32	.4468	2.2382	.5000	.3033	.4843	.5664	31.2389	82.5391	188.2167	.0000	34.7776
14.0	3.2351	1.7721	1.32	.4468	2.2382	.5500	.4162	.5361	.6723	37.1161	79.5915	183.4183	.0000	34.3411
14.0	3.2351	1.7721	1.32	.4468	2.2382	.6000	.4995	.5886	.7659	39.7763	77.2969	178.6200	.0000	33.9047
14.0	3.2351	1.7721	1.32	.4468	2.2382	.6500	.5663	.6418	.8513	41.0654	75.3459	173.8217	.0000	33.4682
14.0	3.2351	1.7721	1.32	.4468	2.2382	.7000	.6221	.6957	.9308	41.6278	73.6155	169.0233	.0000	33.0317
14.0	3.2351	1.7721	1.32	.4468	2.2382	.7500	.6695	.7504	1.0059	41.7555	72.0425	164.2250	.0000	32.5953
14.0	3.2351	1.7721	1.32	.4468	2.2382	.8000	.7103	.8058	1.0777	41.6016	70.5891	159.4267	.0000	32.1587
14.0	3.2351	1.7721	1.32	.4468	2.2382	.8500	.7455	.8621	1.1467	41.2540	69.2308	154.6283	.0000	31.7222
14.0	3.2351	1.7721	1.32	.4468	2.2382	.9000	.7760	.9191	1.2136	40.7670	67.9508	149.8300	.0000	31.2857
14.0	3.2351	1.7721	1.32	.4468	2.2382	.9500	.8021	.9770	1.2787	40.1757	66.7369	145.0317	.0000	30.8491
14.0	3.2351	1.7721	1.32	.4468	2.2382	1.0000	.8244	1.0358	1.3425	39.5035	65.5804	140.2333	.0000	30.4125
14.0	3.2351	1.7721	1.32	.4468	2.2382	1.0500	.8432	1.0955	1.4050	38.7665	64.4746	135.4350	.0000	29.9759
14.0	3.2351	1.7721	1.32	.4468	2.2382	1.1000	.8587	1.1561	1.4667	37.9761	63.4145	130.6366	.0000	29.5393
14.0	3.2351	1.7721	1.32	.4468	2.2382	1.1500	.8710	1.2177	1.5276	37.1401	62.3963	125.8383	.0000	29.1026
14.0	3.2351	1.7721	1.32	.4468	2.2382	1.2000	.8803	1.2803	1.5879	36.2642	61.4175	121.0400	.0000	28.6659
14.0	3.2351	1.7721	1.32	.4468	2.2382	1.2500	.8868	1.3439	1.6477	35.3521	60.4762	116.2416	.0000	28.2291
14.0	3.2351	1.7721	1.32	.4468	2.2382	1.3000	.8903	1.4086	1.7073	34.4063	59.5715	111.4433	.0000	27.7923
14.0	3.2351	1.7721	1.32	.4468	2.2382	1.3500	.8911	1.4744	1.7667	33.4281	58.7033	106.6450	.0000	27.3554
14.0	3.2351	1.7721	1.32	.4468	2.2382	1.4000	.8891	1.5414	1.8260	32.4182	57.8724	101.8466	.0000	26.9185
14.0	3.2351	1.7721	1.32	.4468	2.2382	1.4500	.8843	1.6096	1.8852	31.3761	57.0803	97.0483	.0000	26.4815
14.0	3.2351	1.7721	1.32	.4468	2.2382	1.5000	.8766	1.6790	1.9446	30.3007	56.3297	92.2500	.0000	26.0444
14.0	3.2351	1.7721	1.32	.4468	2.2382	1.5500	.8659	1.7497	2.0042	29.1904	55.6246	87.4516	.0000	25.6073
14.0	3.2351	1.7721	1.32	.4468	2.2382	1.6000	.8523	1.8218	2.0641	28.0423	54.9706	82.6533	.0000	25.1700
14.0	3.2351	1.7721	1.32	.4468	2.2382	1.6500	.8354	1.8952	2.1243	26.8530	54.3756	77.8550	.0000	24.7326
14.0	3.2351	1.7721	1.32	.4468	2.2382	1.7000	.8152	1.9702	2.1849	25.6179	53.8501	73.0566	.0000	24.2950
14.0	3.2351	1.7721	1.32	.4468	2.2382	1.7500	.7913	2.0466	2.2461	24.3308	53.4089	68.2583	.0000	23.8573
14.0	3.2351	1.7721	1.32	.4468	2.2382	1.8000	.7635	2.1247	2.3079	22.9838	53.0726	63.4600	.0000	23.4193
14.0	3.2351	1.7721	1.32	.4468	2.2382	1.8500	.7312	2.2044	2.3704	21.5665	52.8707	58.6616	.0000	22.9810
14.0	3.2351	1.7721	1.32	.4468	2.2382	1.9000	.6940	2.2859	2.4337	20.0648	52.8462	53.8633	.0000	22.5424
14.0	3.2351	1.7721	1.32	.4468	2.2382	1.9500	.6509	2.3693	2.4978	18.4589	53.0647	49.0650	.0000	22.1033
14.0	3.2351	1.7721	1.32	.4468	2.2382	2.0000	.6008	2.4546	2.5629	16.7199	53.6311	44.2666	.0000	21.6635
14.0	3.2351	1.7721	1.32	.4468	2.2382	2.0500	.5417	2.5419	2.6292	14.8026	54.7246	39.4683	.0000	21.2229
14.0	3.2351	1.7721	1.32	.4468	2.2382	2.1000	.4705	2.6315	2.6967	12.6286	56.6830	34.6700	.0000	20.7811
14.0	3.2351	1.7721	1.32	.4468	2.2382	2.1500	.3806	2.7233	2.7657	10.0377	60.2489	29.8716	.0000	20.3375
14.0	3.2351	1.7721	1.32	.4468	2.2382	2.2000	.2533	2.8178	2.8364	6.5670	67.6441	25.0733	.0000	19.8910
14.0	3.2351	1.7721	1.40	.4898	2.0418	.4900	.0194	.4724	.4728	2.2731	89.5035	186.3264	.0000	39.4933
14.0	3.2351	1.7721	1.40	.4898	2.0418	.5400	.2739	.5237	.5872	26.8928	82.8853	181.2373	.0000	39.0304
14.0	3.2351	1.7721	1.40	.4898	2.0418	.5900	.3803	.5756	.6848	32.8059	79.9420	176.1481	.0000	38.5674
14.0	3.2351	1.7721	1.40	.4898	2.0418	.6400	.4575	.6281	.7721	35.5570	77.6775	171.0590	.0000	38.1044
14.0	3.2351	1.7721	1.40	.4898	2.0418	.6900	.5186	.6814	.8523	36.9270	75.7653	165.9698	.0000	37.6414
14.0	3.2351	1.7721	1.40	.4898	2.0418	.7400	.5688	.7353	.9274	37.5492	74.0794	160.8807	.0000	37.1783
14.0	3.2351	1.7721	1.40	.4898	2.0418	.7900	.6109	.7899	.9985	37.7156	72.5556	155.7916	.0000	36.7153
14.0	3.2351	1.7721	1.40	.4898	2.0418	.8400	.6464	.8452	1.0666	37.5811	71.1562	150.7024	.0000	36.2522
14.0	3.2351	1.7721	1.40	.4898	2.0418	.8900	.6764	.9013	1.1321	37.2363	69.8572	145.6133	.0000	35.7890
14.0	3.2351	1.7721	1.40	.4898	2.0418	.9400	.7016	.9582	1.1957	36.7372	68.6423	140.5241	.0000	35.3259
14.0	3.2351	1.7721	1.40	.4898	2.0418	.9900	.7225	1.0158	1.2576	36.1202	67.5002	135.4350	.0000	34.8627
14.0	3.2351	1.7721	1.40	.4898	2.0418	1.0400	.7394	1.0743	1.3181	35.4097	66.4231	130.3458	.0000	34.3994
14.0	3.2351	1.7721	1.40	.4898	2.0418	1.0900	.7526	1.1336	1.3775	34.6225	65.4056	125.2567	.0000	33.9362
14.0	3.2351	1.7721	1.40	.4898	2.0418	1.1400	.7623	1.1938	1.4361	33.7699	64.4440	120.1676	.0000	33.4728
14.0	3.2351	1.7721	1.40	.4898	2.0418	1.1900	.7687	1.2549	1.4939	32.8599	63.5367	115.0784	.0000	33.0094
14.0	3.2351	1.7721	1.40	.4898	2.0418	1.2400	.7718	1.3169	1.5511	31.8976	62.6831	109.9893	.0000	32.5459
14.0	3.2351	1.7721	1.40	.4898	2.0418	1.2900	.7716	1.3798	1.6078	30.8861	61.8844	104.9001	.0000	32.0824
14.0	3.2351	1.7721	1.40	.4898	2.0418	1.3400	.7683	1.4438	1.6642	29.8268	61.1432	99.8110	.0000	31.6187
14.0	3.2351	1.7721	1.40	.4898	2.0418	1.3900	.7616	1.5087	1.7204	28.7195	60.4639	94.7218	.0000	31.1550
14.0	3.2351	1.7721	1.40	.4898	2.0418	1.4400	.7516	1.5748	1.7764	27.5629	59.8531	89.6327	.0000	30.6911
14.0	3.2351	1.7721	1.40	.4898	2.0418	1.4900	.7381	1.6419	1.8324	26.3538	59.3202	84.5436	.0000	30.2271
14.0	3.2351	1.7721	1.40	.4898	2.0418	1.5400	.7210	1.7102	1.8884	25.0878	58.8784	79.4544	.0000	29.7629
14.0	3.2351	1.7721	1.40	.4898	2.0418	1.5900	.6999	1.7797	1.9445	23.7583	58.5460	74.3653	.0000	29.2985
14.0	3.2351	1.7721	1.40	.4898	2.0418	1.6400	.6745	1.8504	2.0008	22.3563	58.3487	69.2761	.0000	28.8338
14.0	3.2351	1.7721	1.40	.4898	2.0418	1.6900	.6443	1.9223	2.0573	20.8690	58.3237	64.1870	.0000	28.3688
14.0	3.2351	1.7721	1.40	.4898	2.0418	1.7400	.6086	1.9957	2.1142	19.2789	58.5258	59.0979	.0000	27.9034
14.0	3.2351	1.7721	1.40	.4898	2.0418	1.7900	.5664	2.0704	2.1715	17.5597	59.0395	54.0087	.0000	27.4375
14.0	3.2351	1.7721	1.40	.4898	2.0418	1.8400	.5162	2.1465	2.2294	15.6712	60.0025	48.9196	.0000	26.9709
14.0	3.2351	1.7721	1.40	.4898	2.0418	1.8900	.4553	2.2242	2.2878	13.5455	61.6584	43.8304	.0000	26.5034
14.0	3.2351	1.7721	1.40	.4898	2.0418	1.9400	.3789	2.3035	2.3470	11.0504	64.4962	38.7413	.0000	26.0347
14.0	3.2351	1.7721	1.40	.4898	2.0418	1.9900	.2743	2.3845	2.4071	7.8489	69.7645	33.6521	.0000	25.5640
14.0	3.2351	1.7721	1.40	.4898	2.0418	2.0400	.0524	2.4674	2.4682	1.4701	85.6870	28.5630	.0000	25.0906

14.0	3.2351	1.7721	1.48	.5388	1.8559	.5400	.0394	.5219	.5233	4.1772	88.9339	178.0965	.0000	43.9197
14.0	3.2351	1.7721	1.48	.5388	1.8559	.5900	.2538	.5734	.6242	23.2725	83.0086	172.7166	.0000	43.4302
14.0	3.2351	1.7721	1.48	.5388	1.8559	.6400	.3496	.6255	.7128	28.6474	80.1769	167.3366	.0000	42.9406
14.0	3.2351	1.7721	1.48	.5388	1.8559	.6900	.4184	.6783	.7932	31.2340	78.0039	161.9567	.0000	42.4510
14.0	3.2351	1.7721	1.48	.5388	1.8559	.7400	.4722	.7317	.8679	32.5411	76.1785	156.5767	.0000	41.9614
14.0	3.2351	1.7721	1.48	.5388	1.8559	.7900	.5156	.7857	.9382	33.1298	74.5801	151.1968	.0000	41.4718
14.0	3.2351	1.7721	1.48	.5388	1.8559	.8400	.5511	.8404	1.0051	33.2674	73.1473	145.8168	.0000	40.9821
14.0	3.2351	1.7721	1.48	.5388	1.8559	.8900	.5802	.8958	1.0693	33.0993	71.8449	140.4369	.0000	40.4923
14.0	3.2351	1.7721	1.48	.5388	1.8559	.9400	.6037	.9519	1.1313	32.7116	70.6507	135.0569	.0000	40.0025
14.0	3.2351	1.7721	1.48	.5388	1.8559	.9900	.6224	1.0087	1.1915	32.1583	69.5506	129.6770	.0000	39.5127
14.0	3.2351	1.7721	1.48	.5388	1.8559	1.0400	.6367	1.0663	1.2502	31.4744	68.5358	124.2970	.0000	39.0227
14.0	3.2351	1.7721	1.48	.5388	1.8559	1.0900	.6468	1.1246	1.3077	30.6834	67.6011	118.9171	.0000	38.5327
14.0	3.2351	1.7721	1.48	.5388	1.8559	1.1400	.6529	1.1838	1.3642	29.8007	66.7443	113.5371	.0000	38.0426
14.0	3.2351	1.7721	1.48	.5388	1.8559	1.1900	.6552	1.2437	1.4198	28.8365	65.9661	108.1572	.0000	37.5524
14.0	3.2351	1.7721	1.48	.5388	1.8559	1.2400	.6537	1.3045	1.4747	27.7968	65.2699	102.7772	.0000	37.0621
14.0	3.2351	1.7721	1.48	.5388	1.8559	1.2900	.6484	1.3662	1.5291	26.6843	64.6619	97.3973	.0000	36.5717
14.0	3.2351	1.7721	1.48	.5388	1.8559	1.3400	.6391	1.4288	1.5830	25.4989	64.1520	92.0173	.0000	36.0811
14.0	3.2351	1.7721	1.48	.5388	1.8559	1.3900	.6258	1.4923	1.6365	24.2377	63.7550	86.6374	.0000	35.5903
14.0	3.2351	1.7721	1.48	.5388	1.8559	1.4400	.6081	1.5567	1.6899	22.8947	63.4916	81.2574	.0000	35.0993
14.0	3.2351	1.7721	1.48	.5388	1.8559	1.4900	.5857	1.6222	1.7430	21.4602	63.3918	75.8775	.0000	34.6080
14.0	3.2351	1.7721	1.48	.5388	1.8559	1.5400	.5581	1.6886	1.7961	19.9192	63.4994	70.4975	.0000	34.1164
14.0	3.2351	1.7721	1.48	.5388	1.8559	1.5900	.5243	1.7562	1.8492	18.2494	63.8800	65.1176	.0000	33.6244
14.0	3.2351	1.7721	1.48	.5388	1.8559	1.6400	.4832	1.8248	1.9024	16.4158	64.6370	59.7376	.0000	33.1318
14.0	3.2351	1.7721	1.48	.5388	1.8559	1.6900	.4327	1.8946	1.9557	14.3602	65.9445	54.3577	.0000	32.6386
14.0	3.2351	1.7721	1.48	.5388	1.8559	1.7400	.3690	1.9656	2.0093	11.9736	68.1283	48.9777	.0000	32.1444
14.0	3.2351	1.7721	1.48	.5388	1.8559	1.7900	.2836	2.0378	2.0633	9.0036	71.9294	43.5978	.0000	31.6490
14.0	3.2351	1.7721	1.48	.5388	1.8559	1.8400	.1419	2.1114	2.1177	4.4114	80.1702	38.2178	.0000	31.1518
14.0	3.2351	1.7721	1.56	.5971	1.6749	.6000	.0561	.5818	.5843	5.3397	88.3860	168.1509	.0000	48.4771
14.0	3.2351	1.7721	1.56	.5971	1.6749	.6500	.2322	.6336	.6728	19.6552	83.1765	162.4801	.0000	47.9610
14.0	3.2351	1.7721	1.56	.5971	1.6749	.7000	.3157	.6861	.7526	24.2749	80.5181	156.8094	.0000	47.4448
14.0	3.2351	1.7721	1.56	.5971	1.6749	.7500	.3747	.7391	.8262	26.5497	78.4892	151.1386	.0000	46.9285
14.0	3.2351	1.7721	1.56	.5971	1.6749	.8000	.4198	.7927	.8953	27.6877	76.8028	145.4679	.0000	46.4122
14.0	3.2351	1.7721	1.56	.5971	1.6749	.8500	.4550	.8470	.9607	28.1598	75.3471	139.7971	.0000	45.8959
14.0	3.2351	1.7721	1.56	.5971	1.6749	.9000	.4825	.9019	1.0234	28.1980	74.0663	134.1263	.0000	45.3794
14.0	3.2351	1.7721	1.56	.5971	1.6749	.9500	.5037	.9575	1.0838	27.9312	72.9295	128.4556	.0000	44.8629
14.0	3.2351	1.7721	1.56	.5971	1.6749	1.0000	.5192	1.0138	1.1422	27.4366	71.9191	122.7848	.0000	44.3463
14.0	3.2351	1.7721	1.56	.5971	1.6749	1.0500	.5295	1.0707	1.1992	26.7626	71.0263	117.1141	.0000	43.8296
14.0	3.2351	1.7721	1.56	.5971	1.6749	1.1000	.5351	1.1284	1.2548	25.9399	70.2483	111.4433	.0000	43.3128
14.0	3.2351	1.7721	1.56	.5971	1.6749	1.1500	.5360	1.1867	1.3093	24.9876	69.5876	105.7726	.0000	42.7958
14.0	3.2351	1.7721	1.56	.5971	1.6749	1.2000	.5322	1.2459	1.3629	23.9164	69.0525	100.1018	.0000	42.2787
14.0	3.2351	1.7721	1.56	.5971	1.6749	1.2500	.5237	1.3058	1.4158	22.7304	68.6572	94.4310	.0000	41.7613
14.0	3.2351	1.7721	1.56	.5971	1.6749	1.3000	.5102	1.3666	1.4680	21.4276	68.4242	88.7603	.0000	41.2438
14.0	3.2351	1.7721	1.56	.5971	1.6749	1.3500	.4913	1.4281	1.5197	19.9992	68.3872	83.0895	.0000	40.7259
14.0	3.2351	1.7721	1.56	.5971	1.6749	1.4000	.4665	1.4905	1.5711	18.4284	68.5972	77.4188	.0000	40.2078
14.0	3.2351	1.7721	1.56	.5971	1.6749	1.4500	.4346	1.5538	1.6221	16.6859	69.1333	71.7480	.0000	39.6892
14.0	3.2351	1.7721	1.56	.5971	1.6749	1.5000	.3941	1.6180	1.6729	14.7206	70.1252	66.0772	.0000	39.1700
14.0	3.2351	1.7721	1.56	.5971	1.6749	1.5500	.3419	1.6831	1.7236	12.4376	71.8068	60.4065	.0000	38.6502
14.0	3.2351	1.7721	1.56	.5971	1.6749	1.6000	.2713	1.7492	1.7742	9.6243	74.6765	54.7357	.0000	38.1295
14.0	3.2351	1.7721	1.56	.5971	1.6749	1.6500	.1601	1.8164	1.8249	5.5411	80.3375	49.0650	.0000	37.6077
14.0	3.2351	1.7721	1.64	.6712	1.4900	.6800	.0843	.6627	.6677	7.0679	87.3853	155.1227	.0000	53.0409
14.0	3.2351	1.7721	1.64	.6712	1.4900	.7300	.2107	.7150	.7442	16.0986	83.3102	149.1611	.0000	52.4980
14.0	3.2351	1.7721	1.64	.6712	1.4900	.7800	.2769	.7680	.8150	19.5459	80.9890	143.1996	.0000	51.9551
14.0	3.2351	1.7721	1.64	.6712	1.4900	.8300	.3225	.8215	.8814	21.2327	79.2355	137.2380	.0000	51.4120
14.0	3.2351	1.7721	1.64	.6712	1.4900	.8800	.3554	.8757	.9444	21.9932	77.8167	131.2764	.0000	50.8689
14.0	3.2351	1.7721	1.64	.6712	1.4900	.9300	.3790	.9304	1.0047	22.1747	76.6416	125.3149	.0000	50.3257
14.0	3.2351	1.7721	1.64	.6712	1.4900	.9800	.3950	.9858	1.0628	21.9544	75.6682	119.3533	.0000	49.7823
14.0	3.2351	1.7721	1.64	.6712	1.4900	1.0300	.4043	1.0418	1.1191	21.4315	74.8787	113.3917	.0000	49.2388
14.0	3.2351	1.7721	1.64	.6712	1.4900	1.0800	.4073	1.0984	1.1739	20.6636	74.2705	107.4302	.0000	48.6951
14.0	3.2351	1.7721	1.64	.6712	1.4900	1.1300	.4042	1.1557	1.2274	19.6826	73.8539	101.4686	.0000	48.1512
14.0	3.2351	1.7721	1.64	.6712	1.4900	1.1800	.3949	1.2137	1.2799	18.5018	73.6528	95.5070	.0000	47.6071
14.0	3.2351	1.7721	1.64	.6712	1.4900	1.2300	.3788	1.2725	1.3315	17.1180	73.7089	89.5455	.0000	47.0626
14.0	3.2351	1.7721	1.64	.6712	1.4900	1.2800	.3552	1.3319	1.3823	15.5090	74.0915	83.5839	.0000	46.5179
14.0	3.2351	1.7721	1.64	.6712	1.4900	1.3300	.3223	1.3921	1.4324	13.6237	74.9187	77.6223	.0000	45.9727
14.0	3.2351	1.7721	1.64	.6712	1.4900	1.3800	.2770	1.4531	1.4821	11.3517	76.4118	71.6608	.0000	45.4269
14.0	3.2351	1.7721	1.64	.6712	1.4900	1.4300	.2115	1.5149	1.5314	8.4140	79.0786	65.6992	.0000	44.8805
14.0	3.2351	1.7721	1.64	.6712	1.4900	1.4800	.0889	1.5775	1.5804	3.4378	85.1426	59.7376	.0000	44.3331
14.0	3.2351	1.7721	1.72	.7823	1.2783	.7900	.0612	.7757	.7780	4.4284	87.9104	137.4125	.0000	57.4646
14.0	3.2351	1.7721	1.72	.7823	1.2783	.8400	.1584	.8289	.8435	10.6794	84.4383	131.1601	.0000	56.8948
14.0	3.2351	1.7721	1.72	.7823	1.2783	.8900	.2036	.8827	.9055	12.8877	82.6411	124.9077	.0000	56.3248
14.0	3.2351	1.7721	1.72	.7823	1.2783	.9400	.2299	.9370	.9647	13.7456	81.4352	118.6554	.0000	55.7547
14.0	3.2351	1.7721	1.72	.7823	1.2783	.9900	.2435	.9920	1.0215	13.8204	80.6353	112.4030	.0000	55.1844
14.0	3.2351	1.7721	1.72	.7823	1.2783	1.0400	.2466	1.0475	1.0765	13.3373	80.1955	106.1506	.0000	54.6139
14.0	3.2351	1.7721	1.72	.7823	1.2783	1.0900	.2394	1.1036	1.1299	12.3882	80.1350	99.8982	.0000	54.0431
14.0	3.2351	1.7721	1.72	.7823	1.2783	1.1400	.2211	1.1604	1.1820	10.9785	80.5368	93.6459	.0000	53.4719
14.0	3.2351	1.7721	1.72	.7823	1.2783	1.1900	.1886	1.2178	1.2330	9.0050	81.5979	87.3935	.0000	52.9004
14.0	3.2351	1.7721	1.72	.7823	1.2783	1.2400	.1316	1.2759	1.2831	6.0561	83.8791	81.1411	.0000	52.3284

COVER